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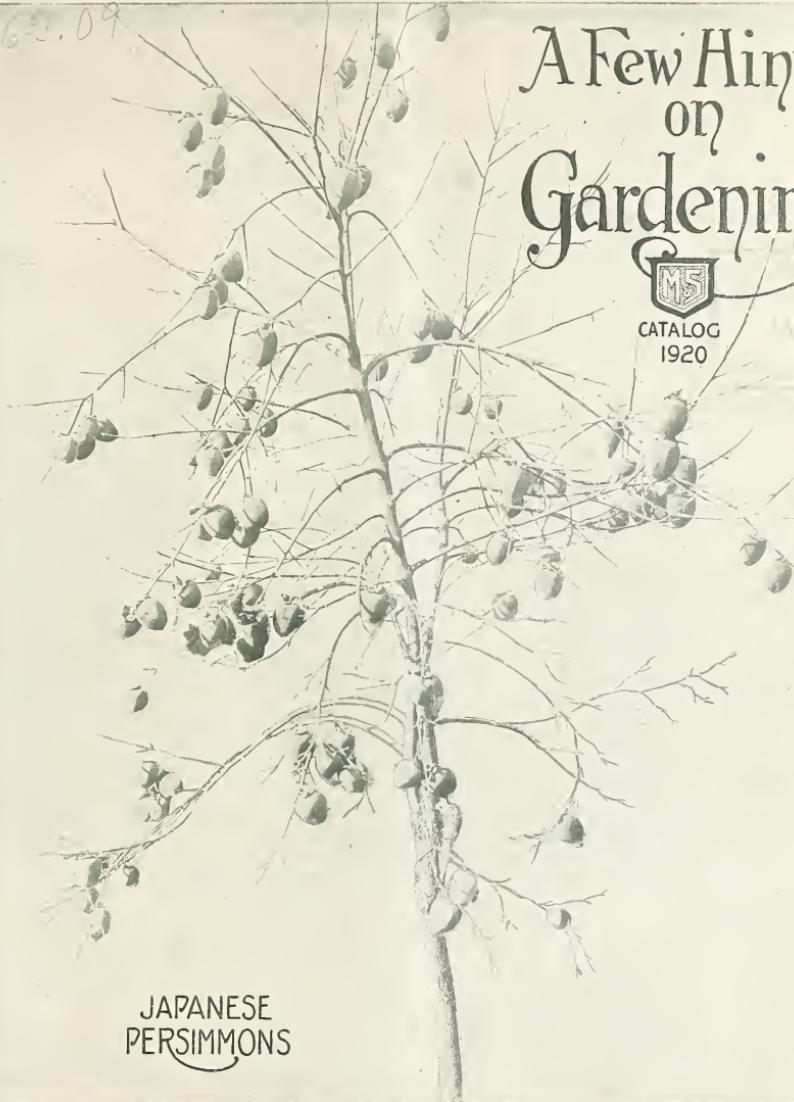


62.09

A Few Hints  
on  
Gardening



CATALOG  
1920



JAPANESE  
PERSIMMONS

**MORRIS & SNOW SEED CO.**  
439 S. MAIN ST. LOS ANGELES~

# Read Before Ordering

## HOW TO ORDER BY MAIL

Your Name and Address in full should be plainly written on each order. Be sure to give the R. F. D. and box number or street address.

**Cash with Order.** The proper way is to send remittance in full to cover amount of your order and postage. We send orders C. O. D. by Post, Express or Freight only if 25 per cent of the amount of order is enclosed. **Plants we never send out C. O. D.**

**Shipping.** We will use our best judgment as to the best way of sending orders when specific directions are not given. We advise sending large "postpaid" orders by express if you have an office near—it is safer. We prepay either postal or express charges on items quoted "postpaid." **Poisons and liquids are not mailable.**

**Seeds by Mail.** We send by mail or express prepaid all orders for flower and vegetable seeds (except beans, corn, and peas.) We do not pay postage or express charges on onion sets, field seeds, clovers, grasses, bird seeds, beans, corn, peas, tools or plants, unless enough money is sent to cover these charges. Correspondents in foreign countries should add 12c for each pound or fraction thereof for postage. Canadian postage is 16c per pound.

For C. O. D. parcels there is a charge of 10c to cover registration and insurance and an additional charge at the delivery end for the money order returned.

## NEW PARCEL POST RATES

### Size and Weight

A Parcel Post package may weigh from eight ounces to fifty pounds for the first and second zones—with a twenty pound weight limit for third to eighth zones, and must not exceed in size 72 inches in length and girth, combined. Small packages of seed or bulbs, weighing 8 oz. or less, one cent for each 2 oz. or fraction, to any office in U. S.

Weight	1st Zone		2nd Zone 50 to 150 Miles	3rd Zone 150 to 300 Miles	4th Zone 300 to 600 Miles	5th Zone 600 to 1000 Miles	6th Zone 1000 to 1400 Miles
	Local Rates	Zone Rate 50 Miles					
1 lb.	\$0.05	\$0.05	Same		\$0.06	\$0.07	\$0.08
2 lbs.	.06	.05			.08	.11	.14
3 lbs.	.06	.07	as		.10	.15	.20
4 lbs.	.07	.07			.12	.19	.26
5 lbs.	.07	.09	1st Zone		.14	.23	.32
6 lbs.	.08	.10			.16	.27	.38
7 lbs.	.08	.11	5c for		.18	.31	.44
8 lbs.	.09	.12			.20	.35	.50
9 lbs.	.09	.13	1st lb.		.22	.39	.56
10 lbs.	.10	.14			.24	.43	.62
11 lbs.	.10	.15	additional		.26	.47	.68
12 lbs.	.11	.16			.28	.51	.74
13 lbs.	.11	.17	lbs. 1c		.30	.55	.80
14 lbs.	.12	.18			.32	.59	.86
15 lbs.	.12	.19	per		.34	.63	.92
16 lbs.	.13	.20			.36	.67	.98
17 lbs.	.13	.21	lb. to		.38	.71	1.04
18 lbs.	.14	.22			.40	.75	1.10
19 lbs.	.14	.23	50 lbs.		.42	.79	1.16
20 lbs.	.15	.24			.44	.83	1.22

7th Zone—1400 to 1800 miles from mailing office, 1st lb. 1c, and additional weights 10c per lb.

8th Zone—Over 1800 miles, 12c lb., any weight up to 20 lbs. This zone includes Mexico and all countries in the Postal Union.

## OUR NURSERY DEPARTMENT



We have a well established nursery in the city, corner Jefferson and Figueroa, and carry a complete line of Fruit Trees, Berry Plants and Ornamental Stock (everything for the garden). With our long experience in handling this class of stock, we can pack for shipment anywhere. Anyone interested in a Home Orchard, we invite correspondence. Kindly state your requirements and we will be glad to assist any in their selections. You will find a list of trees on pages 50 to 59 of this catalogue. **Address all communications to LOS ANGELES, CALIF.**

439 SOUTH MAIN STREET

## TO OUR OUT OF TOWN CUSTOMERS

We would be pleased to have you call when in the city, and make yourself known and make our store your headquarters while here. Often we can help you assemble your purchases and make one shipment.

## OUR BULB CATALOG

And Cultural Directions for California will be mailed on request to any one interested. This is ready about August 1st of each year. These Cultural Directions are specially prepared for California and are worth much to you if you wish to succeed with bulbs. **Send for it—free.**

## Coupon Order Sheet

## For Seeds, Plants, Bulbs, Etc.

MORRIS & SNOW SEED CO., 439 So. Main St., Los Angeles, Calif.

Please send the following goods as per address and instructions herewith, and for which find enclosed \$.....

To (Name) .....  
(Miss or Mrs.)

City ..... County .....

No. ..... State. ....  
(R. F. D. or Street)

### Express or Freight Station

Date ..... State your preference by Post,  
Express or Freight.

We give no warranty, express or implied, as to description, purity, productiveness, or any other matter of any Seeds, Bulbs or Plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

MORRIS & SNOW SEED CO.

(Leave this space blank)

(OVER)

EXTRA ORDER SHEETS AND RETURN ENVELOPES FURNISHED ON REQUEST

**NAME OF ARTICLE WANTED**

Brought forward

POSTAGE

Garden Seeds priced by the packet, ounce, one-fourth pound and pound are postage paid. Peas, Beans, Onion Sets, Corn, Grass and Field Seeds and Sundry Articles are not postpaid. In ordering one pound lot, add ten cents per pound for postage and packing, and on larger quantities apply parcel post charges.

**DOMESTIC PARCEL POST RATES**

**DOMESTIC PARCEL POST RATES**  
On Seeds, Plants, Bulbs, Roots, Books, Tools, etc.  
within the U. S. and Possessions

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions	First pound or fraction	Each additional pound or fraction
First Zone, Los Angeles or 50 miles thereof	5c	1c
Second Zone, within 50 to 150 miles	5c	1c
Third Zone, within 150 to 300 miles	6c	2c
Fourth Zone, within 300 to 600 miles	7c	4c
Fifth Zone, within 600 to 1000 miles	8c	6c
Sixth Zone, within 1000 to 1400 miles	9c	8c
Seventh Zone, within 1400 to 1800 miles	11c	10c
Eighth Zone, all over 1800 miles	12c	12c

Please do not ask questions on this Order Sheet, but kindly write them and all communications requiring an answer on a separate sheet of paper and inclose with your order. Be sure that your Full Name and Address are on Both Letter and Order.

This space is for remarks about your order.

Would appreciate list of your neighbors interested in good seed.

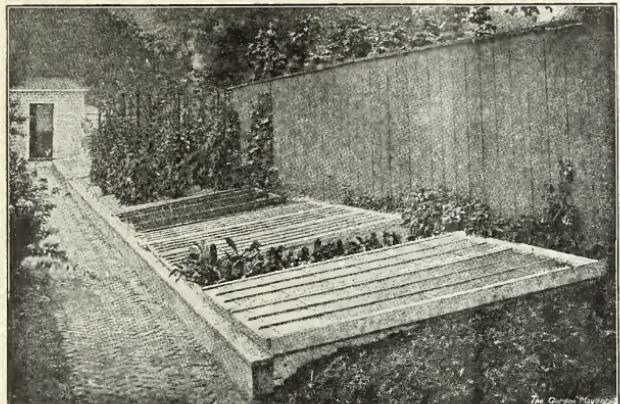
# Calendar of Planting Operations

DON'T work freshly wet ground

DON'T set Plants or Roots without watering at once

DON'T plant Seeds or Bulbs in dry ground

DON'T let weeds grow



A Cold Frame Constructed for Glass or Cloth

## HOT BEDS

There are several aids to the economical management of the garden which are almost indispensable. The most important of these is the Hot Bed for forwarding seedlings for early planting. Compared with the gain in time and the satisfactory results obtained, the trouble is very slight, while for early vegetables for the market it is imperatively necessary. The Hot Bed is made in this way: Get a quantity of fresh horse manure, and mix thoroughly with about half its bulk in straw, rotten leaves, etc., tramping it down in successive layers. In two or three days fermentation will be apparent by the escape of steam from the heap. Turn the heap over again and allow it to remain two or three days longer. On the third day a second fermentation begins. Then prepare a pit 2½ feet deep the size of the bed you propose. It should be in some dry sheltered spot, facing the south if possible. The glass sashes are generally made 6 feet wide by 4 feet high, so a box of one sash will give early plants enough for a large family. The Frame should be 18 inches high at the back and 12 inches in front—this gives the proper slope to catch most sunlight. When everything is ready the manure is placed in and trodden down firmly in layers to the required depth—about 2 feet. Then keep the sash closed till the heat rises. It will be too hot to sow seeds in it now, but in two or three days it will subside to about 90 degrees, when soil may be put on to the depth of 6 to 8 inches. The soil should be well-rotted sods mixed with fine old manure in equal parts and in this the seeds may be sown in thin rows, 2 or 8 inches apart, and afterwards either thinned out or transplanted to another part of the frame. Air must be given every mild day by raising the sash at the back. The same directions apply to Hot Beds made on the surface of the ground, except that the manure should be at least a foot wider on all sides than the frame.

## THE COLD FRAME

Is just the Hot Bed without the manure heap. Fill the frame with rich

good soil—that taken from old hot beds mixed with the fine rich manure from them is best. It should be got ready in Autumn and young Pepper, Tomato, Egg Plant and Cucumber plants set in it so that they get well established before the weather turns. During cold nights and stormy days the sash should be kept closed; in mild days the air should be admitted freely.

## JANUARY

**Flower Garden.** If possible before spading have a good thick dressing of stable manure applied and spaded under. See to the sweet peas that were planted in September and October. Carefully hoe them and hill up little hills. Prepare beds now for planting half hardy plant seed, plants and cuttings. Make another planting of sweet peas and all hardy annuals.

**Vegetables.** Presuming that you covered your ground with stable manure before the early rains, would advise working this into the soil as soon as possible. If you have a spade or plow, not less than 8 inches deep. If there has not been enough rain to put the soil in proper condition to work (there should have been at least 3 inches of rain) then should irrigate your ground for it. Planting seed is almost upon you. A well prepared soil means your crop half made.

Plant Beet; Swiss Chard; English Broad Beans; Carrot; Lettuce; Onions; Radishes; Spinach; Turnips; Early varieties of Cabbage; Sweet Pea. In protected spots Canadian Wonder Beans might be tried. Sow seed of Broccoli, Cauliflower and Cabbage in beds. Set out plants of the larger groups of vegetables, Asparagus, Horse Radish and Rhubarb. Hoe and hill up any growing crops and keep all weeds down as they sap the food from the growing vegetables.

## FEBRUARY

**Flower Garden.** This is really our spring month. Plant nearly everything in hardy annuals and perennials. Thoroughly work up the sur-

face of soil after each rain, and keep it mellow, which will hasten the growth. Plant our Gladiolus and Tuberoses, Yellow Callas, Anemones, Ranunculus and Japanese Lillies, Iris, etc. Plant Sweet Peas for late flowering, all the varieties of annuals and Perennial Poppies. Look after all Carnations and if over two years old should be replaced with young plants. Carnations can be planted any time. The only time this is a good time for planting is to get strong plants for fall and winter blooming

**Vegetables.** By the first of this month your whole garden patch should be spaded or plowed up, and raked or harrowed down leaving a fine mulch on the surface that the moisture may be retained. After each rain storm, when your soil gets to the right condition work it up again with your culti-vator (a Norwegian Cultivator is a superior tool for this purpose in the home garden) in this manner continuing the mulch and keeping your soil in excellent condition for the growth of your plants with a minimum of irrigation. If you work your soil to put it in a finer condition you find that a fine tined Potato hook is an excellent implement. During this month vegetables, nearly everything can be planted.

Put out plants or roots of Asparagus; Green Globe Artichokes; Cabbages and Cauliflower; Chives; Garlic and Onion Sets; Horse Radish and Rhubarb. For Seed, plant Artichoke Asparagus, very early; Canadian Wonder Beans; Cucumbers; Chervil; Collards; Chicory and Pepper Cress; Extra Early Adams Corn; Dandelion; Endive and the Herbs; Kale; Onions; Leek; Peas; Parsley; Turnips; Winter Cresses; Rhubarb; set out which will produce next winter. Radish; Salsify; Turnips. The last of this month get your seed beds ready for Celery. Look after stuff in the Hot Beds and cold frames, they should be tended every day. If cold days are very cold, watering with warm water often helps your young plants along. See that the Sweet Potatoes are not rotting, if so, there is still time to put in more. Put in early varieties of Tomatoes.

## MARCH

**Flower Garden.** Plant Gladiolus and Tuberoses for succession. This is the best garden month in the year for California, and all kinds of work is in order. Also weeds make big growth this month. Look out and keep them in gear. Plant Marigold, Intermediate Stocks. (This Stock if planted now will bloom in September and October when flowers are scarce. You can successfully plant nearly everything in the flower, shrub and tree lines, nearly all danger of frost is past by the 15th of this month, and all work should be carefully pursued and secure all the help needed to do it up promptly, as a little neglected in this month may mean considerable loss later. Plant Roses and all hardy bush stuff. Be sure and try our Giant Comet Aster—best that money will buy.

**Vegetables.** During this month your garden will be filled to overflowing so to speak. If one is not careful, by this time he is getting along a great deal in making a show off and the tendency is to put in more. Thin out "our beets, carrots and all subjects that haven't room to make their natural

size without crowding. Young beets the size of a walnut with their tops may be harvested.

For succession plant Beet; Carrot; Early Corn; Turnip; Radishes; Cabbage; Lettuce; Spinach or Peas may be sown. Plant Early Beans. Kentucky Wonder is the warmest. This is the month that more Potatoes are planted than any other month of the year, plant all varieties. White Rose are the best for Southern California. Sets of Cabbage, Cabbage, Turnip, Tomato, Egg Plants and Sweet Potato Plants, and Onion and Garlic Sets. Plant Early White Bush and Fordhook Squash; Peas, Musk Melons and Water Melons. MORRIS & SNOW's Special White Spline Cucumber and most varieties of seeds.

#### APRIL

**Flower Garden.** Renew your hanging baskets that have not stood the winter well. Get rid of ones that are injured by the cold should be discarded. You can now plant Dahlias, also Gladiolus. If your supply of Aster plants is short, there is yet lots of time to get them in flower. Use our Branching for late. Onions for medium season, and Dwarf for early flowering. Our Asters are fine.

**Vegetables.** This is a month full of work, everything should be making rapid growth, especially weeds which continue to spread and cultivating will keep down, and should there not be frequent showers, irrigating must be resorted to.

April is the best month for planting the more delicate crops as we often have killing frost up to the first of April. Such as Sweet Potatoes, Egg Plant, and Tomato Plants ready to put out by the 15th. Sow seed of tender crops such as Cucumbers, Muskmelon, and Water Melons; Okra; Rosehip; Pole and Bush Beans in variety; Summer Squashes; Winter Squash. For the general gardener you can still plant Artichoke and Asparagus, Beet; Carrot; Cannon Ball; Winter Melon; Cabbage; Celery; Herbs; Swiss Chard; Endive; Iceberg Lettuce; White Bunching Onion; Parsley; Parsnip; Radishes; Yorkshire Pea; Rhubarb; Salsify; Spinach; Turnips.

#### MAY

**Flower Garden.** If you have been following our advice, you now have great variety of flowers, but for fall-flowering sow Nasturtium, Phlox, Salpiglossis, Centaurea, Dianthus and Mignonette now, and if you once try our Scabiosas you will wonder at its immense size. Also try our Digitalis, Impatiens and Delphinium. The last four are among our greatest specialties, all from finest stock.

**Vegetables.** The weather warms up this month and all vegetation attains its prime, much of the stuff that was planted is ready to be harvested. To get the most satisfaction from your home grown vegetables, use them before they are over ripe, pithy or stringy. It is much better to hoe up the old stuff and put that space into new crop.

Irrigation will no doubt begin in earnest in this month, give your ground a thorough wetting every two weeks. Plant Bush, Pole and Lima Beans; Carrots; Beets; Sweet and Field Corn; Squash; Pumpkins and Melons; Cucumbers; Radishes and Turnips. It is not too late yet to set out Sweet and Chili Peppers, Egg Plants, Cabbages, Cauliflowers; Sweet Potatoes and Stone and Beefsteak Tomatoes.

#### JUNE

**Flower Garden.** Trim edgings of border and hedges and carefully attend the borders. Dahlias and Gladiolus may still be planted. Sow Eucalyptus seeds for winter planting. estable. The principal thing this

month is to keep your crops growing, cultivate thoroughly, stake up Pole Beans, and when the growing crops fill in vacant spaces with anything suggested for last month, but especially plant Beans and Corn, for succession.

#### JULY

Florist and market gardeners consider the coming 90-day period of July, August and September to be the "second spring". This period is no less important as a planting time than February, March and April.

Most residents of the Southwest who are not making their entire living from intensive garden agriculture, fall take advantage of the second spring in order to have a fall and winter supply of vegetables.

Vegetables planted now keep for a longer period and usually bring better prices than those planted in early spring.

**Flower Garden.** Continue to dig and store bulbs as they ripen. Trim edgings and hedge-rows and sow perennial flower seeds in shady situations. Continue sowing Eucalyptus and Cypress trees. Onions, garlic and stock seed come in this month. This seed is the best that money can buy and if planted this month will come in bloom for early fall.

**Vegetables.** Although this is one of our main harvest months it is also a heavy planting month. As you clean your garden of Spring crops, get thoroughly and put in shape for planting your Fall, Onion, Garlic and Garden. Sow seed and transplant young plants as late in the afternoon as possible for best results. Plant for succession Pole and Bush Beans, Field and Sweet Corns, Eclipse Beets, Iceberg Lettuce, Radishes, Long Standing Spinach, Rhubarb and Turnips. Early in the month sow Cabbage, as well as cucumbers, Summer and Winter Squash may be planted. Sow seed of Cabbage, Cauliflower, Brussels Sprouts, Swiss Chard, Kale and Pepper and Tomato for plants for Fall planting. Commence Fall crop of Potatoes at the period of July for Winter use.

For a quick green feed plant Sudan Grass. Look out for Aphids on your plants. At first appearance of the pest spray them with solution of Black Leaf 40.

#### AUGUST

**Flower Garden.** This is the best month in the year in which to sow hardy perennials. Most varieties if sown this month will flower the next year. Also sow Calceolaria, Cineraria, Pansy and Primula seeds. Continue growing Eucalyptus and Cypress seeds. Don't water Roses this or next month, as all the stems dry down. We have all the items dry down. Also we are getting our Peony, Stock and Centaurea seed now. Sow Sweet Peas this month for flowering during holidays. Use MORRIS & SNOW's Pedigree Strain Christmas Flowering Sweet Peas.

**Vegetables.** August begins our second Spring. You will however, have to resort to irrigation instead of natural rain to moisten the ground. Where Spring crops have been harvested and cleaned up thoroughly wet the soil and work it up a foot deep. Sow pulses, beans, peas, corn, seeds or seeds and plants. The main plantings of Fall potatoes are made by the 15th although in favored locations plantings can be made later in the month. It is a little late for pole beans but dwarf or bush beans may be planted with safety also early varieties of sweet corn. In protected places even cucumbers and summer squashes may be planted. All hardy vegetables such as beets, carrots, Swiss chard, endive, lettuce, kale, kohlrabi, Bermuda onions, parsley, parsnips, radishes, spinach, turnips and peas may be planted but remember when planting any of these at this time of the year that there must be ample moisture in the

ground as the soil dries out very quickly. Make sowings of cabbage and cauliflower for winter use, set out pepper and tomato plants in frostless sections for winter produce.

#### SEPTEMBER

**Flower Garden.** Commence planting Hyacinths, Tulips, Anemones and other Dutch bulbs toward the end of the month. Prick off Calceolarias, Cinerarias and Primulas sown last month into small pots and continue sowing for autumn succession winter Sweet Peas. (See special list.) Also sow in all the hardy annuals and perennials. Our Pansies and Stocks, Scabiosas and Centaureas are the finest procurable. Plant now.

**Vegetables.** Make heavy planting in your crops for winter use. Beet; Swiss Chard; Endive; Kohlrabi; Kale; Lettuce; Onions; Onion Sets; Parsley; Parsnips; Spinach and Turnips in variety. Peas planted now will be in for the holidays. In protected places plant Canadian and Ventura Wonder Beans. Set out plants of Cabbage, Cauliflower, Tomatoes, etc., etc., of which seeds were planted a month or so ago.

#### OCTOBER

**Flower Garden.** Commence planting Hyacinths, Tulips, Narcissus and all Dutch bulbs as soon as they arrive. You should try our Tulips. We can furnish you these in varieties that will produce flower stems 12 to 16 inches long. These varieties are unique to the American trade and if you get them they will have come from us. Sow Pansies again this month, also Stocks, Scabiosa, Winter Sweet Peas, Phlox, Dianthus, etc., for winter flowering. Mulch and manure Roses and other flowering shrubs, give lots of manure and you will have good flowers if you did not let them grow during last two months.

**Vegetables.** Watch your garden closely as the ground dries out very fast these autumn days. It takes much watering and cultivating to keep stuff growing. Transplant Cabbages, etc., to the open ground. Plant Beets, Windsor Broad Beans, Carrots; Swiss Chard; Endive; Chicory; Lettuce; Leek; Garlic Sets; Parsnip; Radishes; Turnip; Winter Melon. Dig your Sweet Potatoes before the frost nips the foliage—frosted Sweet Potatoes lose their flavor and their keeping qualities.

#### NOVEMBER

**Flower Garden.** Continue planting Bulbs, such as Hyacinth, Narcissus, Tulips, etc. Get in special collections on their care in Southern California. Sow Pansy seed, Stocks, Phlox, Dianthus, Centaureas, etc., and place your orders for early supply of Roses, Carnations, etc. Be sure and get our lists). Thoroughly mulch the garden with stable manure or fertilizer.

**Vegetables.** It is well to cover all unoccupied ground with stable manure as the rains should begin this month, and it is well to have the fertilizer on the ground before the rains come to wash it in. Take care of the leaching. Put out Chives and Rhubarb Roots, Plant Beets; Carrots; Broccoli; Cabbage; Cauliflower; Luffa; Swiss Chard; SilverSkin Onion; Parsley; Spinach; Radish; Turnip; Peas.

#### DECEMBER

**Flower Garden.** Finish planting Dutch Bulbs this month. Look about for your supply of bedding plants—Salvias, Carnations, also plant Japanese Lilies, Pansies, Stocks, Sweet Peas, Phlox, Mignon-

ette, Candytuft; Alyssum, Cosmos, etc. To thoroughly protect tender stuff. **Vegetables.** It is well to be getting ready now for your early plantings. Have your ground all dug up 8 to 10 inches deep and well pulverized. Plant Windsor Beans; Turnip Beets; Cabbage and Cauliflower in variety; Carrots; Endive; Swiss Chard; New York Special and Wonderful Lettuce; Onions; Lettuce and Sets; Radishes; Winter Spinach; Turnip Collards; Kale and Mustard; Strawberry; Rhubarb; Horse Radish and Asparagus Plants are ready for setting.

Use our coupon order sheet. It gives you \$1.25 worth of seed for \$1.00.

## FIELD BEANS

**Culture.** In the case of growing beans without irrigation preparation should begin after the first good soaking rain that wets the ground to the depth of a foot or more. Plow thoroughly and deep; after each rain storm plow the surface to keep a fine soil疏松 for retaining moisture. Continue this pulverizing until planting time which is from April 15th to June 15th. See page 5.

## Commercial Beans

Write for Prices When Quantities  
Are Wanted

Southern California has for years been noted as a bean growing section on account of its ideal climatic and soil conditions. Bean growing has been a source of great wealth in the past but now and in the future beans will return more money than ever on account of the better price and expansion of

planting area.  
We have on hand recleaned selected stocks of the leading varieties of commercial beans, viz.: Henderson Bush and Lewis Lima; Tepary, Blackeye, Pink and Mexican Red; Little Washington and Navy. 30c per lb. postpaid.

### Sudan Grass

**Sudan Grass** is living up to all the good words sent out about it by its early advocates. It is an annual of quick growth and a very nutritious fodder plant.

Plant from the time danger of frost is over until August 15th. Under dry farming conditions sow in rows in drills at the rate of two to four pounds of seed to the acre. Where the ground can be irrigated sow broadcast using fifteen to twenty pounds per acre. The roots are easily eradicated by plowing.

1 lb., 35c; 10 lbs., \$2.75, post paid.

### Giant Sudan or Wonder

## Forage Grass

This grass, a cross or hybridization of Sudan Grass with sorghum is a wonder in growth and productiveness. Having taken sweetness from the sorghum makes it a very appetizing forage and fodder plant. For silage it is excellent and of high food value.

Giant Sudan or Wonder Forage Grass was first discovered and propagated by C. H. Benedict of Riverside who brought the plant to our attention.

On good soil Giant Sudan will grow to fifteen feet high, stool out to fifty or sixty stalks and produce a hundred tons of silage per acre. It can be cut three or four times during the summer under irrigation. After each cutting the plants stool more making heavier tonnage on second and third cuttings. Giant Sudan makes excellent pastureage especially in the Fall after it has been cut for silage in the summer.

The soil should be prepared the same as for Sudan or sorghum planting, sowing in drills three feet apart using six to ten pounds per acre. Irrigate after each cutting for continuous growth.

ous growth.  
Sample package 10c; lb., 60c; 10 lbs., \$5.25 postpaid.

### Number of Plants in Length 1 to 100 ft. Apart

Distance Apart	No. per mile	Distance Apart	No. per mile	Distance Apart	No. per mile
1 foot	5,280	10 feet	528	60 feet	.88
2 feet	2,640	15 feet	352	65 feet	.81
3 feet	1,760	20 feet	264	70 feet	.75
4 feet	1,320	25 feet	211	75 feet	.70
5 feet	1,056	30 feet	176	80 feet	.66
6 feet	880	40 feet	132	85 feet	.62
7 feet	752	45 feet	114	90 feet	.58
8 feet	660	50 feet	105	95 feet	.55
9 feet	588	55 feet	96	100 feet	.52

### Plants to an Acre at Regular Distances Apart

Distance Apart	No. per acre	Distance Apart	No. per acre	Distance Apart	No. per acre
3 by 4 inches	.522,040	4 1/2 by 4 1/2 feet	.222	14 feet by 14 feet	.222
4 by 4 inches	.392,040	5 feet by 1 foot	.8,712	15 feet by 15 feet	.193
6 by 6 inches	.174,240	5 feet by 2 feet	.4,356	16 feet by 16 feet	.174
1 foot by 1 foot	.43,550	5 feet by 3 feet	.2,904	16 1/2 by 16 1/2 feet	.160
1 1/2 by 1 1/2 feet	.19,380	5 feet by 4 feet	.2,178	17 feet by 17 feet	.154
2 feet by 1 foot	.21,800	5 feet by 5 feet	.1,744	18 feet by 18 feet	.134
2 feet by 2 feet	.21,800	6 feet by 1 1/2 feet	.1,744	19 feet by 19 feet	.120
2 1/2 by 3 1/2 feet	.6,960	6 feet by 6 feet	.1,200	20 feet by 20 feet	.108
3 feet by 1 foot	14,520	6 1/2 feet by 6 1/2 feet	.1,031	25 feet by 25 feet	.69
3 feet by 2 feet	.7,260	7 feet by 7 feet	.888	30 feet by 30 feet	.48
3 feet by 3 feet	4,840	8 feet by 8 feet	.680	33 feet by 33 feet	.40
3 1/2 by 3 1/2 feet	.3,555	9 feet by 9 feet	.537	40 feet by 40 feet	.27
4 feet by 2 feet	10,480	10 feet by 10 feet	.429	50 feet by 50 feet	.17
4 feet by 3 feet	.4,445	11 feet by 11 feet	.343	60 feet by 60 feet	.12
4 feet by 4 feet	.3,660	12 feet by 12 feet	.302	66 feet by 66 feet	.10
4 feet by 4 feet	.2,722	13 feet by 13 feet	.257		

Rule.—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be number of square feet for each plant or hill, which divided into the number of square feet (43,560) will give the number of plants to the acre.

## Seeds Required to Sow One Acre of Ground

## Sowing Table for the Garden

Artichoke	.....1 oz. to 500 plants	Lettuce	.....1 oz. to 5000 plants
	.....1 oz. to 60 ft. of drill	Melon, Water	.....1 oz. to 300 hills
Beans, Dwarf	.....1 lb. to 50 ft. of drill	Melon, Musk	.....1 oz. to 100 hills
Beans, Tall	.....1 lb. to 75 miles	Okra	.....1 oz. to 50 ft. of drill
Beets	.....1 oz. to 50 ft. of drill	Onion Seed	.....1 oz. to 100 ft. of drill
Bok Choy	.....1 oz. to 1000 plants	Onion, Top Sets	.....1 lb. to 60 ft. of row
Brussels Sprouts	.....1 oz. to 2000 plants	Onion, Bottom Sets	.....1 lb. to 100 ft. of row
Cabbage	.....1 oz. to 2000 plants	Parsnip	.....1 lb. to 100 ft. of drill
Carrot	.....1 oz. to 150 ft. of drill	Peas	.....1 lb. to 50 ft. of drill
Cauliflower	.....1 oz. to 2000 plants	Pepper	.....1 oz. to 1000 plants
Celery	.....1 oz. to 5000 plants	Pumpkin	.....1 oz. to 25 hills
Chestnut	.....1 oz. to 100 ft. of drill	Radish	.....1 oz. to 50 ft. of drill
Corn	.....1 lb. to 150 miles	Salsify	.....1 oz. to 100 ft. of drill
Cress	.....1 oz. to 100 ft. of drill	Sage	.....1 oz. to 100 ft. of drill
Cucumber	.....1 oz. to 100 hills	Spinach	.....1 oz. to 50 ft. of drill
Egg Plant	.....1 oz. to 2000 plants	Squash, Early	.....1 oz. to 50 hills
Endive	.....1 oz. to 3000 plants	Squash, Winter	.....1 oz. to 15 hills
Kale	.....1 oz. to 1000 plants	Tomato	.....1 oz. to 3000 plants
Kohlrabi	.....1 oz. to 5000 plants	Tobacco	.....1 oz. to 100 ft. of plants
Leek	.....1 oz. to 100 ft. of drill	Turnip	.....1 oz. to 75 ft. of drill
		Turnip, Early	.....1 oz. to 100 ft. of drill
		Turnip, Rutabara	.....1 oz. to 100 ft. of drill

## AGRICULTURAL AND FIELD SEEDS

Prices quoted are prepaid within the 4th zone. Ask for special prices on quantities.

**Salt Bush.** (Creeping Salt Bush). Atriplex Semibarbata. This is a prostrate, many branched, slender, perennial plant, with herbaceous stems, spreading from 3 to 6 or more feet. Grows on dry hill sides, and remains green for seasons ranges for cattle and sheep. 5 to 10 lbs. to the acre. Oz. 10c; lb. \$1.00; postpaid.

**4-Hornia.** This is a native plant of this state, and is one of the principal Winter forage plants, either for stock or men. Price 5 to 6 pounds to acre. Lb. 85c postpaid.

**Crimson, or Italian Clover (Trifolium Incarnatum).** An annual variety, 20 to 30 inches high. Sow from 12 to 15 pounds per acre, and cut for hay when in full blossom. Lb. 40c.

**Fax Seed.** Should be sown in the spring on moist land, using 30 lbs. of seed per acre if grown for a seed crop, or twice that quantity if intended for a crop of fiber. Per lb. 30c; postpaid; 100 lbs. on application.

**Millet, Golden (Panicum Germanicum).** Var. Will grow on any good land and yield a heavy crop. Sow 10 to 20 bushels of seed per acre, which is excellent food for stock or poultry. Plant 30 lbs. to acre. Per lb. 20c.

**Pearl Millet (Pennisetaria).** A perennial plant for fodder. Grows tall and yields an enormous amount of coarse-like leaves. Sow in drills or broadcast, using 4 to 5 lbs. per acre. Per lb. 30c.

**Paspalum Dilitatum.** A new grass for hot, dry climates. A hardy perennial from Australia, growing 5 feet high, without getting tough and seems to be particularly adapted for greening dairy cattle. Per oz. 10c; lb. \$1.00.

**Rape (Dwarf Essex).** A biennial crop used principally for sheep pasture. It usually sown broadcast on ranges, using 2 to 5 pounds per acre. Per lb. 35c, postpaid 100 lbs. on application.

**Red Top (Agrostis Vulgaris).** Make excellent permanent pasture as well as for grass hay. Sow 15 lbs. to an acre. Fancy seed free from chaff. Per lb. postpaid, 40c.

**Sugar Cane (Sorgo).** Early Orange. A strong, productive variety, either for fodder or for syrup. Per lb. 25c, postpaid; 10 lbs. \$1.50.

**Sunflower (Large Russian).** A variety bearing large heads. Sow in the open field as soon as danger from frost is over using 75 lbs. of seed per acre, sowing 10 bushels per acre and thinning to 1 foot. Per lb. 30c, postpaid; quantity prices on application.

**Timothy (Phleum Pratense).** The grade we offer is particularly "choice," free from weed seeds and of high germinating power. Sow about 15 lbs. to acre. 30c lb.

## SEED GRAIN

Write for prices when quantities are wanted.

Our grains are especially selected and recleaned for seeding purposes. The few cents extra that are paid for our seed is more than the extra run of milling grain is made back many fold when the crop is harvested.

**Barley**—Sown for hay and for its grain. The grain is used for brewing, also crushed for stock feed. Sow 75 to 100 lbs. per acre. 2 lbs. postpaid 25c.

**Buckwheat**—Used extensively here as a summer cover crop. It is good feed for bees. Sow 25 to 45 lbs. per acre. 1 lb. postpaid 20c. Ask for quantity prices.

**Oats**—Grown in Southern California almost exclusively for hay and for seed. White Oats are used some for poultry feed. Sow 60 to 90 lbs. per acre.

**Texas Red**—Imported (Rust proof), best to plant for hay.

**Texas Red.** California grown.

**White Oats.** California grown. Any variety 2 lbs. postpaid 25c. Ask for quantity prices.

**Rye (Winter)**—Sow in Fall for early pasture; also used extensively for cover cropping. Use 60 to 80 lbs. per acre. Postpaid 20c per lb. Write for quantity prices.

**Speltz**—Or Emmer. A good all round grain. Will produce grain even in dry drought conditions. Sow 60 to 80 lbs. per acre. 20c per lb. postpaid. Ask for quantity prices.

**Wheat**—Sown for hay and grain as early in winter as possible. 80 to 100 lbs. per acre.

**Defiance**; Rust resistant, grown near the coast on that account.

**Durum or Macaroni**; very drought resisting; recommended for semi-arid mesa land.

**Sonora**; grown extensively in interior valleys.

**Turkey Red**; hard wheat used for milling. 20c lb. postpaid. Write for quantity prices.

**Egyptian Wheat (Shallu).** A rank of growing winter grain, a rank of grain of great merit recently introduced. Grows six to ten feet high, producing four crops of fodder or two crops of grain in a season. Sow five pounds per acre. 1b. 25c postpaid. Write for quantity price.

## NON-SACCHARINE GRAINS

Are valuable because of their hardness. They produce fodder and grain with a minimum of moisture.

**Dwarf Milo Maize** grows only about 4 feet high, stools well, has abundance of foliage and a heavy producer of grain. 1 lb. postpaid 25c; 10 lbs. \$1.50.

**Egyptian Corn**—Grown extensively for fodder and for its white grain. 1 lb. postpaid 25c; 10 lbs. \$1.50.

**Kafir Corn**—Grows its heads upright. Per lb. 25c postpaid; 10 lbs. \$1.50.

**Amherst Cane or Sorghum**—Heavy yielder of rich succulent fodder. Per lb. postpaid 25c. 10 lbs. \$1.50.

**Egyptian Corn**—Grown extensively for fodder and for its white grain. 1 lb. postpaid 25c; 10 lbs. \$1.50.

**Texia Seeded Ribbon Cane or Gooseneck Cane**—The heaviest fodder yielder of all. The stalks when crushed produce excellent sorghum molasses. Per lb. postpaid 25c; 10 lbs. \$1.60.

## ALFALFA SEED

Alfalfa requires a well drained, friable soil. Prepare the ground by deep plowing and thorough pulverizing. If the alfalfa is to be irrigated great care should be taken to have the field leveled and the ridges properly spaced for the amount of water you will use. It may pay to have your land staked off by a surveyor so as to be sure of the levels.

The seed may be drilled in at the rate of 10 to 15 lbs. per acre of good, clean and slightly raked in, using 20 to 30 lbs. per acre. The best time to sow is in the Fall or Spring. A mother crop is not necessary to make a good stand.

Make the first cutting when the alfalfa is about a foot high and subsequent cuttings as it attains the desired growth. After each cutting give the field a thorough irrigating.

While we handle the Persian and Chilian varieties, for general purposes we recommend the Chilian, the old re-

liable variety that has been grown here for over sixty years. It yields six to nine tons of hay of fine texture per year.

The Peruvian both Smooth and Hairy are coarser stocks than the Chilian and are very leafy, where growing a heavier tonnage where conditions are right. The Peruvian alfalfas are particularly adapted to western Arizona and Colorado desert regions and for cutting to feed green.

We are at all times prepared to furnish high grade clean seed of this very important article and will be pleased to quote firm market price at any time. Small quantities 75c per lb.; 10 lbs. \$6.50.

## COVER CROP

**Cover Crop.** It is as important to use legume for a cover crop as for Green Manuring, in orchards and as it is to rotted manure in general farming and gardening. By sowing a cover crop you get nitrogen and humus in the best way as well as the cheapest. Legumes are the cheapest fertilizers and they give a good plant food in the most available condition. Carry cover crop seeds in variety at prices subject to market changes. In asking for quotations always state the quantity wanted.

**Canadian White Peas.** Especially recommended on melon lands. Lb. by mail 20c. Ask for prices on large quantities.

**Mellotus (Indica).** Yellow Sweet Clover. This is very highly recommended by the Government experts for cover crop and is being used more each year with great success. It has an upright growth. Per lb. postpaid, 30c. Write for prices in quantities.

**Burn Clover (Hulled).** It is a heavy nitrogen producer and is particularly good for late planting. Used extensively on light soils. Sow 10 to 15 pounds to acre. Lb. 30c postpaid; 10 lbs. \$2.75.

**Red Clover (Trifolium Prutenense).** Next to alfalfa Red Clover is the heaviest cropper and when grown with Timothy makes an excellent hay. Per lb. postpaid 80c.

**Vetch Spring (Vicia Sativa).** It does best when sown by the first of October. Per lb. 25c; 10 lbs. \$2.00, postpaid.

**Broad Windsor or Horse Bean.** Has an upright growth producing a heavy crop of hay and pods. The main roots grow straight down, thus breaking up the sub-soil. A heavy producer of nitrogen. Lb. 25c postpaid. Write for quantity prices.

## SUDAN GRASSES.

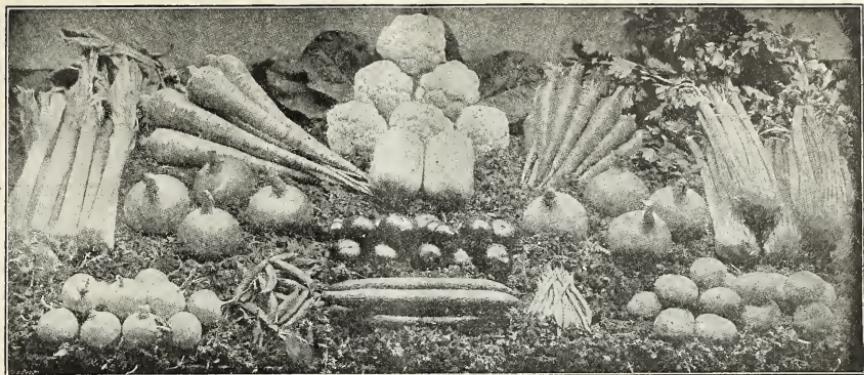
See page 5.

## HOW TO ORDER BY MAIL

Your name and address in full should be plainly written on each order. Be sure to give the R. R. and box numbers or street address.

**CASH WITH ORDER.** The proper way is to send remittance in full to cover amount of your order and postage. We send orders C. O. D. by Post, Express, or freight, only, if 25 per cent of the amount of the order is enclosed. Plants we never send out C. O. D.

**SHIPPING.** We will use our best judgment as to the best way of sending orders when specific directions are not given. We advise sending large "prepaid" orders by express if you have an office near it is safe. We prepay either postage or express charges on items quoted "postpaid."



# MORRIS & SNOW SEED CO. CATALOGUE

Our packets are well filled and put by ourselves from our own fresh bulb seeds.

Prices quoted in this catalog are subject to change without notice, (we will adhere to the prices as far as possible but whenever there is an item ordered on which the price has changed—either reduced or advanced we will send the amount of seed to cover the remittance.)

## Vegetables

When wanting seeds in large quantities, please write for prices stating the quantity desired.

MORRIS & SNOW SEED CO.

### ASPARAGUS

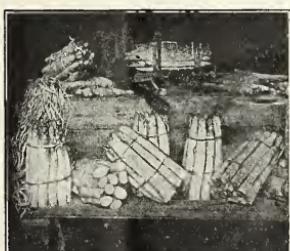
**Culture.** Being a perennial asparagus should be planted where it will not be disturbed, and if it is planted out for private use, the row plants should be established at one side of the garden patch, where it will not be in the way when cultivating the other parts of the garden. Asparagus requires a deep, rich, cool soil, heavily manured and thoroughly filled in bed, in beds or rows cover about 1 inch. Keep watered and weeded first year, and if too thick in bed thin out to two or three inches apart, and you get better roots. After first year's growth they can be transplanted to rows twelve or four feet apart and one foot apart in the row. Although two year old plants are preferable for transplanting, they will then produce the following Spring. Cultivation should be done early in the Spring before the shoots start and in the fall before "cutting" is over. Cut the foliage off as soon as it begins to turn yellow and burn it so as to prevent rust getting started and also to get rid of the plants which if allowed to get onto the ground will be coming up all over the patch and be a nuisance. Cover with heavy dressing of manure during winter. It takes about 7,000 plants to set an acre or about two pounds of seed. An ounce will produce 300 good plants.

**Root Culture**—Work your ground well to a depth of one and a half feet.

Level down, then furrow out four to six inches. Spread the roots in the bottom of the furrow, setting the crowns a foot apart. Cover with mixture of well rotted manure and soil. Plant roots between Dec. 1st and March 1st.

**Early Giant Argenteuil.** This is the famous Paris Specialty. The stocks grow to a mammoth size. When well grown some weigh 4 oz. The head is slightly pointed, with a tinge of purple. It is early and very vigorous. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. 1.00.

Use our coupon order sheet. It gives you \$1.25 worth for \$1.00.



Asparagus, Giant Argenteuil

**Connover's Colossal.** Considered the best for market gardeners. Pkt. 5c. Oz. 10c; lb. 85c.

**Palmetto.** The leading and most popular variety for the home garden or market. The tender sprouts are green and its delicious flavor makes this variety the favorite for table use. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. 90c.

**Asparagus Roots.** See page 26.

### ARTICHOKE

**Culture.** Like Asparagus this is a perennial, so when planting one should put it where it need not be moved from year to year. Sow seed from January to June and transplant to permanent place when about eight inches high. Plant roots in each deep in well worked, damp loam soil.

Artichokes do not come absolutely true from seed, some of the seedlings showing the original thorny type; however, when transplanting select only the plants showing the smoother leaves, discarding the others.

**Selected Large Green Globe.** The standard variety. Pkt. 10c; oz. \$1.20.

### JERUSALEM ARTICHOKE

**Culture.** Plant tubers in rows three feet apart and one foot apart in the rows. The plant is a rosette and grows six or eight feet high with flowers like sunflowers. The tubers are used to considerable extent by French cooks in making salads. In this country they are used raw for stock feed.

Per lb., 15c; postpaid, 25c per lb.; 100 lbs. at market rates.

## BEANS—BUSH

Prices Quoted Are Postpaid

Prices on Beans are subject to market changes. Ask for prices on large quantities.

**Culture.** While Beans are a tender plant and in most parts of the country they are essentially a summer crop, we find them growing in California and making the Early and Hardy varieties. Beans may be on the table from the last of May till well into December. Plant about two inches deep in well prepared soil. Each bean should be about one inch apart in rows 24 to 26 inches apart or in hills one foot apart, 3 or 4 seeds to a hill. Be very cautious and not cultivate deep after they begin to shoot up, especially after in bloom, but keep surface soil loose and clean of weeds. Dust with sulphur as they come into bloom and again in ten days or two weeks. This treatment prevents mildew and acts as an insecticide for Red Spider. At the first appearance of the spray with solution of Black Leaf 40.

One pound of Lima Beans will plant 200 ft. of row; use 60 lbs. to an acre. One pound of snap beans to 300 ft. row; use 40 to 50 lbs. per acre.

**Burpee's Stringless Green Pod.** One of the best early varieties for Spring planting. Very prolific round pod; can be planted early in March and up as late as September. Pkt. 7 1/2c; up as late as September. Pkt. 10c; lb. 40c; 10 lbs. \$3.80.

**Canadian Wonder.** Flat pod; of good a great favorite with gardeners, for luxuriant growth and continuous bearer. Plant during September and October, also in early spring. Pkt. 10c; lb. 40c; 10 lbs. \$3.70, postpaid.

**Early Refugee or 1000 to 1.** Round pod; medium size, tender; very desirable for table and canning. Should be planted during the mid-season, neither too early nor too late. Pkt. 10c; lb. 40c; 10 lbs. \$3.75, postpaid.

**Dwarf Horticultural or Cranberry.** Planted extensively for home use.



Burpee's Stringless Green Pod

Used as a shell bean, seeds plump and rich in flavor. Pkt. 10c; lb. 45c; 10 lbs. \$4.00, postpaid.

**Improved Six Weeks.** The bean is yellow, but the pod is green. A strong rapid grower and matures quickly. This pod is very desirable for early forcing. Plant early in March and during August and September. Pkt. 10c; lb. 40c; 10 lbs. \$3.75, postpaid.

**Black Wax.** Round pod; straight, seven to eight inches long; very desirable for mid-summer: June to August. Pkt. 10c; lb. 50c; 10 lbs. \$4.50, postpaid.

**Golden Wax.** Long, flat pod; stringless; a rich golden wax. We believe superior to most of the Golden Wax varieties. April to August. Pkt. 10c; lb. 50c; 10 lbs. \$4.50, postpaid.

**Venice Wonder Wax.** The "real wonder" indeed. The handsomest of all the early Wax Beans. The pods are long, (7 inches) straight, very uniform and clear waxy white. The vines are vigorous, extremely prolific and disease resistant. These beans are clear, white and excellent for baking. The best market garden Wax Bean. Pkt. 10c; lb. 50c; 10 lbs. \$4.50, postpaid.

### BEANS—POLE

Plant pole beans from March to August, except the Creashback which may be planted during September. Pole beans make so much shade that as soon as damp, cool nights of Fall come on, the beans become affected by rust and mildew.

**Scarlet Runner.** Mostly grown as an ornament for covering fences or unsightly places; pretty clusters of scarlet flowers. Pkt. 10c; lb. 40c.

**Asparagus or Yard Long Beans.** A very prolific pole bean of excellent quality, producing pods from 15 to 30 inches long, in great profusion. Pkt. 10c.

**Horticultural Pole.** An old standard variety used as a string or shell bean. The seed are red with lighter spots on it. Sometimes called the Cranberry Bean. Pkt. 10c; lb. 40c; 10 lbs. \$3.75, postpaid.



Canadian Wonder

**Kentucky Wonder.** Long round pod. This is by far the most popular bean in Southern California, because here it is grown to perfection, very prolific and all its qualities make it one of the finest varieties grown. Plant 10c; lb. 40c; 10 lbs. \$3.75, postpaid.

**White Seeded Kentucky Wonder.** A pole bean of great merit, claimed to be a heavier producer and more resistant to mildew than the common Kentucky Wonder, of which it has a similar growth and appearance except that it has white seeds. It bears well into the Fall. Pkt. 10c; lb. 40c; 10 lbs. \$3.75.

**Kentucky Wonder Wax.** One of the most prolific beans grown. Comes in early, very early and continues to bear until killed by frost. A rapid grower and pods are solid and meaty; perfectly stringless, and when properly cooked are deliciously rich and buttery. April to August. By mail 10c per pkt.; 45c per lb.; 10 lbs. \$4.25.

**White Creashback.** An early silvery green bean, the pods maturing very evenly in clusters of from four to ten. A very good snpper. Pkt. 10c; lb. 40c; 10 lbs. \$3.75.

**Gray Seeded Kentucky Wonder.** This has proven itself to be a giant grower, very hardy and a superb forced bean. Absolutely stringless extra long, flat pod, much larger than Kentucky Wonder, and all that have tested them pronounce them much better than Kentucky Wonder. They are also very early, producing heavy yields. The bean itself is very large, larger than Canadian Wonder, of a speckled gray, slate color, makes an excellent green shell bean, and before drying down the bean is nearly as large as a Lima bean. Pkt. 10c; lb. 45c, postpaid.

### BEANS—LIMAS, ETC.

Lima Beans are more difficult to get started than other beans but the mature plants are harder than the smaller podded varieties. Plant not earlier than April or later than August 1st, except in particularly favorable frostless locations.

Spray with Black Leaf 40 to control Aphids.



Gray Seeded Kentucky Wonder

**Burpee's Bush.** Very good but not equal to Burpee's Improved. Pkt. 10c; lb. 45c; 10 lbs. \$3.50.

**Fordhook Bush.** This wonderful Lima is coming more into favor each year. It out-yields any Bush Lima yet offered. Best results are obtained by planting in double rows in hills, 12 feet apart in rows and the rows four feet apart. Its height is from twenty-two to twenty-four inches and it bears in clusters of two to five, well out from the plant on long spikes. There are from three to five seeds in a pod, with an average of four. The seeds are round and thick, and have a mild, delicious flavor. This delicious bean is far ahead of anything which anybody has shown in Lima Beans up to the present time. Pkt. 10c; lb. 45c; 10 lbs. \$4.00.

The "Burpee - Improved" produces magnificent crops of pods, which measure from one to six inches long by one and one-quarter inches wide. And compared with Burpee's Bush Lima both pods and beans are very much larger.

Pkt. 10c; lb. 45c, postpaid. Write for prices for quantities.

**Windsor Broad Beans.** A great favorite is a perfectly hardy variety being planted during the winter months, maturing in the spring. Pkt. 10c; lb. 30c, postpaid.



Burpee's Improved Bush Lima

#### POLE LIMA BEANS

**King of Garden Lima.** Beans of unusual size; quality perfect. Pkt. 10c; lb. 45c, postpaid; 10 lbs. \$2.20.

#### MONSTROUS BUSH LIMA

This would better be called "Monstrous Pole Lima" because the plants often grow to twenty feet or more in length, producing clusters of enormous beans at each joint or node. Individual pods are from one and a quarter to two inches wide, containing beans larger than a fifty cent piece.

The "Monstrous Lima" makes such a vigorous growth that it is not profitable to plant them closer than eight feet apart, thus it requires only four or five pounds of seed to plant an acre. It takes the "Monstrous Lima" about five months from seeding to time of picking, but it is advisable to get them planted as least May first. They are excellent both as green, shelled or dry beans. Pkt. 10c; lb. 60c; 10 lbs. \$5.00.

**Large Lima.** The beans are large and attractive. A very popular variety. Pkt. 10c; lb. 50c; 10 lbs. \$4.60.

#### CARPINTERIA GREEN SEEDED LARGE LIMA

The vine is very strong, of vigorous growth, with many large branches or runners, producing a great many fine pods which are closely packed with large beans. In shape the bean is similar to the Burpee's Improved. The pods contain from three to four beans.

It is fine flavored and more tender when cooked than white seeded bean, and making it more pleasing to gardeners and housekeepers.

It is the most perfect pole Lima bean. Pkt. 10c; ½ lb. 25c; lb. 45c, postpaid.

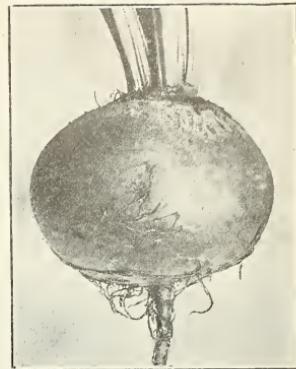
#### BEETS---Table Varieties

**Culture.** Beets are in all the year round crop in Southern California. However some varieties do better at certain seasons of the year as one will see by reading the description of the varieties which we offer as being the best for certain conditions. Sow in drills 12 to 15 inches apart and when 3 to 6 inches high thin out to 4 or 6 inches in the row. Beets should be grown in light rich loam soil well worked. Water once a fortnight during cool weather and once a week during the warmer months. One ounce will sow 50 feet of drill.

Sometimes leaf chaffers or beetles attack your beets, for these dust over young plants as they come up tobacco dust or powdered lime.

**Blood Turnip.** Smooth round roots of medium size with dark red flesh, fine grain, very sweet, especially after it is deep coloring when cooked. Tops are small and of uniform growth, the leaf, stems and veinings being a dark red. It grows quickly and is of superior quality. Per pkt. 5c; oz. 15c; ½ lb. 15c; lb. \$1.25.

**Crimson Globe.** Crimson Globe has a smooth skin and very regular form. The flesh is a deep purplish crimson, sweet and tender. Plant during April, May and June. Pkt. 5c; oz. 20c; ½ lb. 60c; lb. \$1.75.



Detroit Blood Turnip Beet

**Extra Early Egyptian.** One of the most popular on account of its beautiful appearance and excellent flavor. Plant from September to May. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25.

**Eclipse.** A good-shaped beet with large top; very tender and sweet and of fine texture. Especially good for planting for May to August. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25.

#### DETROIT BLOOD TURNIP

A grand beet for bunching for market; tops exceptionally small and upright; roots are perfect turnip shape with small tap roots. Color of skin, dark blood red; flesh bright red. Quality is of the very best, sweet, tender and lasting. One of the best for the market gardener and the home garden. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

#### CROSBY'S EGYPTIAN

The "Crosby's" Beet in the Market. A selection from that standard market beet, "Early Egyptian," which retains the earliness of the parent stock and has added thickness, giving it a more desirable shape. It is the darkest red, almost black in color, and is of finer quality than the Egyptian, being sweeter and even more tender and smoother. The most desirable sort for sugar beets or for market, as it is an excellent market shape quicker than any of the others. Selected stock. Plant from September to May. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25.

#### BEET---STOCK AND SUGAR

**Culture.** In Southern California plant during the fall and winter in drills from 18 to 24 inches apart. When plants have third or fourth leaf thin to six to eight inches apart in the row.

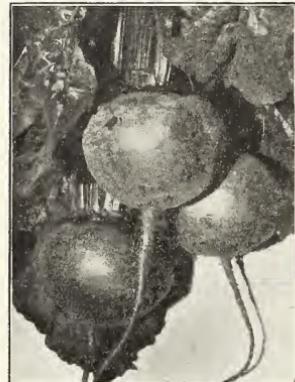
**Mammoth Long Red Mangel.** All stock eat it readily. This beet will resist alkali better than any of the other varieties. Pkt. 5c; oz. 10c; lb. 80c, postpaid.

**Golden Tankard Mangel.** Contains less water and more sugar than any other mangel. Pkt. 5c; oz. 10c; lb. 80c, postpaid.

**Lane's Imperial Sugar.** The heaviest cropping sugar beet, and the most profitable for stock farmers. Pkt. 5c; 1/2 oz. 15c; lb. \$1.25; postpaid.

**Vimorous Imp.** Sugar beet. This variety is without question the best in cultivation; not the largest in size, but the richest in saccharine matter. Pkt. 5c; 1/2 oz. 15c; lb. \$1.25 postpaid.

**Great Half Sugar Rose.** This uties the large size of the mangel with the greater feeding value of the sugar beet. The roots average ten to twelve inches, and the outline is that of a root thick at the top. The upper portion is of a soft, buttery pink, shading lighter toward the bottom where the lower portion for about one-third the length is white. The flesh is pure white, firm, crisp, and very sweet. Highly recommended for stock purposes. Per pkt. 5c; oz. 10c; 1/2 lb. 30c; lb. 80c, postpaid.



Crosby's Egyptian Beet

## SWISS CHARD—SEA KALE

**Swiss Chard.** Sown for its leaves only, planted and grown same as beets, but the leaves are taken off like Rhubarb and cooked the same as beet. Also used for poultry green, being more desirable than alfalfa. Plant any time of the year in Southern California.

"An Asparagus all summer." There



Swiss Chard

are few vegetables which require less care during their growth or yield more certain crops. Pkt. 5c; oz. 20c; 1/2 lb. 60c; lb. \$1.75.

**Lucullus.** Plants grow to a height of two to three and one-half feet. The stalks are as thick and broad as those of Rhubarb, being one and one-half inches broad, heavily ribbed and from ten to twelve inches long beyond the leafy top. These are delicious when cooked and served in the same manner as asparagus. In the new Lucullus the leaves are larger and sharply pointed at the top, while the texture is heavily crumpled and savored more crisply, tender and of finer flavor. The leafy portion of the foliage is cooked and served in the same manner as Spinach. The leaves and stalks served as separate vegetables afford two distinct dishes from the same plants at one time. Per pkt. 5c; oz. 20c; 1/2 lb. 60c; lb. \$2.20, postpaid.

## BRUSSELS SPROUTS

**Culture.**—Sow seed from July to October. Transplant when six to eight weeks old and treat same as cabbage. If raised and set out all at once, plants enough for an acre. Spray with Black Leaf 40 to rid plants of Aphids. To kill Cabbage worms treat with Arsenate of Lead or Paris green. One oz. of seed will produce a good plant.

**Dwarf Improved.** Produces on the stem, compact sprouts resembling miniature cabbages. A delicious vegetable. Pkt. 5c; oz. 30c; 1/2 lb. \$1.00; lb. \$3.00.

## BROCCOLI

**Culture.** Sow seeds in beds or rows in well prepared soil. When eight or ten inches high transplant to permanent place 1 1/2 to 2 feet apart in rows three feet apart.

**Early Purple Cape.** Resembles the cauliflower, but is harder and more easily grown. Heads purplish brown in color, always close and compact. Fine flavor. Pkt. 5c; oz. 60c.

**St. Valentine.** A new large variety, larger than cauliflower and quite large. Pkt. 15c; oz. \$1.50; 1/2 lb. \$5.00. **Matchless White.** This variety is quite early and will follow closely the large headed varieties of Cauliflower sown the same time. Pkt. 5c; oz. 60c.

## CHERVIL

**Curl.ed Chervil.** Seed should be sown only during the cooler months in rows 1 1/2 to 2 inches apart and thin to 4 to 6 inches apart. In the rows in good garden soil Chervil is used for garnishing and flavoring. Pkt. 5c; oz. 40c; 1/2 lb. \$1.35.

## CHIVES

Chives are perfectly hardy perennial plants, of the onion type. They are grown for their long leaves, which are produced the year around and are used for giving a mild onion flavor to various dishes. The tops can be shorn off close to the ground as needed. Roots per bunch should be propagated.

Chives are also easily grown from seed. Sow in beds and transplant as soon as they begin to multiply. Pkt. 7 1/2c; 1/2 oz. 30c; oz. \$1.00.



Chayote—Fruit and Seed

## CHAYOTE

A climbing plant, related to the cucumber family. A very rank growing vine—used for covering fences, arbors or walls. It grows over thirty feet in season, with good dense foliage, and immensely productive. One plant will produce over 150 pounds of fruit. A deciduous vine in this climate. The fruit is one seeded and is planted entire without cutting weighs about one pound each and can be used in many ways. Fried as Egg Plant. Cooked like Summer Squash or used as a salad and considered a great delicacy by all who have used it properly. We will be able to supply from January to April. Pkt. 15c each; 6 for 75c by express; or 25c each by mail. 20c each for each additional fruit mailed.

Rooted Plants 20c each; 10c extra by mail.

## Methods of Cooking

To the ingenius cook, this appetizing vegetable is a great find. The following are a few suggestions that can be experimented with to suit the individual taste:

1. Fried like onions: Sliced very thin and fried with quantity of onion, bacon, or tripe.

2. Breaded: Also to boil until tender; slice, dip in egg and cracker crumbs and fry it.

3. Roasted: Halve lengthwise, remove seeds and shell, and bake in roasting pan with meat.

4. Boiled dinner: Cook with old-fashioned boiled dinner as you would carrots or turnips.

## COLLARDS

**Culture.** Same as Cabbage.

This is a form of cabbage grown in the Southern States. One ounce of seed will sow 300 feet of drill; two pounds per acre.

**Southern.** A mass of leaves on a tall stem, which in the South grow all winter. Pkt. 5c; oz. 20c; 1/2 lb. 60c; lb. \$2.00.

## CORN SALAD

This is a hardy, quick-growing plant the leaves a fine good substitute for lettuce during the winter. Sow seed on the approach of cool moist weather in the fall to produce leaves for late fall, and early spring use. It does not grow satisfactorily during the hot summer months.

**Large Round-leaved Small-seeded**  
Pkt. 5c; oz. 25c; 1/2 lb. 75c.

## CELERIAC—Turnip Rooted Celery

Celeriac is grown for the large turnip-shaped roots, which are stewed or used for flavoring soups. The plants are set six to eight inches apart and are not earthed up, but kept constantly hoed to encourage a large growth. Pkt. 5c; oz. 25c; 1/2 lb. 75c; lb. \$2.50.

## CELERIAC

**Culture.** Sow the seed from January to May in drills twelve inches apart, and thin the seedlings to secure stocky plants. In July when the plants are strong, transplant to furrows four feet apart, and six inches deep. Set the plants six inches apart in the furrow; as the plants grow, the soil should be kept from blanching. Instead of blanching by banking up as has formerly been the custom, 12-inch boards are now used by placing them each side of the row for a couple of weeks before harvesting the crop. In the home garden blanching may be done by wrapping each plant up to the leaves with paper. Spray every two or three weeks with Bordeaux Mixture to prevent blight and rust.

**Dwarf Golden Self-Blanching.** This is the most popular and profitable cel-

ery grown. It is always in great demand where good celery is appreciated. Pkt. 10c; oz. \$1.50;  $\frac{1}{4}$  lb. \$5.00.

**Golden Self-Blanching.** (Cal. grown.) This celery seed is grown from French grown stock and gives the same fine celery that it produced from the above French grown seed except that it grows a little larger. This is excellent for home gardens or market gardens. Pkt. 10c; oz. 60c;  $\frac{1}{4}$  lb. \$2.00; lb. \$6.00.

**White Plume.** (California Grown.) Its stock, inner leaves and heart are naturally white, so by simply drawing the soil up against the plant and pressing it in, is all the work for blanching required. This is a very popular variety for market gardeners. Pkt. 5c; oz. 35c;  $\frac{1}{4}$  lb. \$1.20; lb. \$3.50.

**Glunt Pascal.** The largest of all; is a great favorite in the Eastern gardens. Pkt. 5c; oz. 30c;  $\frac{1}{4}$  lb. \$1.00; lb. \$3.90.



**Golden Self-Blanching Celery**

## CARROTS

**Culture.** Although Carrots are hardy after the plant is established it is difficult to get a good stand unless the soil is well prepared and has such a nature that it will not bake, for the seeds are small and slow to germinate.

Carrots are sown the year around in deeply tilled, sandy, loam soil. Sow one inch deep in rows 15 to 20 inches apart. Thin out to 4 inches apart when plants are two inches high. Keep well cultivated and irrigated every two weeks. Two and a half pounds will plant an acre. One ounce to 150 ft. of drill.

**Guerande, or Ox-Heart.** Beautiful shape and color. The roots generally attain from four to five inches in length and about three inches in diameter. This is the market gardener's favorite. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.25.

**Early French Forcing.** The small sort, but extra early. Very sweet and tender. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; lb. \$1.50.

**Danvers.** The roots are smooth, one of the best sort for main crop. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.25.



**Carrot—Danvers Half Long**

**Chauteney.** The sweetest of all carrots, is of good shape and cylindrical very smooth and grows about six inches long; the flesh is entirely red, very sweet and almost entirely without a core. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.25.

**Improved Long Orange.** A deep orange colored variety. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.25.

**Long White Belgians.** A variety with long slender roots about one-third or which grows above the surface of the ground, thus making it easy to pull. It is very productive, highly nutritious and good keeper. The best for stock feed. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.10.

**Long Yellow Belgian.** This sort is very similar to the White Belgian except in color. Its strong point is its keeping quality, making it of especial value for late feeding. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.10.



**Ox-Heart Carrot**

## CRESS

**Culture.** Grow in rows sown rather thickly. Grows up again after cutting in salads and for garnishing.

**French Curled (Pepper Cress).** Quick growing; leaves finely cut and feeling like a good parsley; growth dwarf and compact; ornamental crisp, and pungent; very refreshing. Pkt. 5c; oz. 15c; lb. \$1.50, postpaid.

**Water Cress.** Highly esteemed as a salad during the spring and fall. Also used as a garnish for meats during the winter. Seed may be started readily in pans or boxes of very moist earth, and the young plants transplanted to shallow water. Pkt. 10c; oz. 60c; lb. \$6.00.

## CHICORY

**Culture.** Sow seed in early Spring thin to 12 inches in row and keep well hoed. The dried roots are used as a substitute for coffee or used fresh as a vegetable.

**Large Rooted.** Roots are dug up in the fall, dried, cut in thin slices, roasted and ground; are used largely as a substitute for coffee. Pkt. 10c; oz. 50c;  $\frac{1}{4}$  lb. \$1.65; lb. \$5.00.

**Water Chicory.** delicious winter salad. Sow down in spring out-doors produce parsnip-like roots which should be taken up in fall, trimmed and planted in a cool bed covered with about 8 inches of soil. Over the ground is placed a layer of fresh manure, two or three inches deep, which forces a new growth of tender leaves that are used as a salad. It is considered a great delicacy. Pkt. 10c; oz. 50c;  $\frac{1}{4}$  lb. \$1.60; 1 lb. \$5.00.

## CASABAS

See Under Melons

### ECONOMIC SUGGESTIONS

**Economy!** Of course you have signed the "Food Administration" card. That means planting all the seeds you can and using every bit without waste. Here are a few recipes which we have found helpful.

Cook most vegetables with the smallest amount of water possible. Let it boil back into the vegetable. Why throw away the juice which is full of nourishment and flavor? Don't imagine the liquid will throw away all the water. It requires closer watching with less water but the saving of real food value is greater than the trouble. Use a wire screen on legs in your kettles. Place vegetables upon them with water underneath and boil over a slow fire. Peets, Squash, Corn, Sweet Potatoes, white Potatoes, most vegetables in fact, are more nutritious and edible cooked in this way.

**Asparagus**—Do you make soup of the hard ends? Boil them and season the liquid adding milk, thickened or not, as you prefer.

Use the ends you usually throw away to make a bit of broth. Boil and add seasoning and milk.

If your string beans are dry and old shell out the beans. They are very good boiled.

**Cabbage**—To eliminate the elements in Cabbage which generally disagree with the digestion follow this method: Cover Cabbage with cold water, let it come to a boil. Drain and cover with cold water, adding a little salt, let it come to a boil. Drain and cover with cold water, adding salt. Cool until tender. It cooks much quicker in this way.

**Chinese Cabbage** is more delicate in flavor than the ordinary kind. It is cooked in the same way.

**Carrot**—Salad. Grind twice with a fine grinder the raw carrot, one carrot to a person and a small sweet pepper. Grind walnut one and add a bunch of carrots and stir all together, adding any salad dressing you prefer. Lemon juice and salt add to the flavor in addition to the dressing. Celery, olives and pickles may be added.

# CABBAGE

**Culture.** Sow the seed thinly in beds, either in drills or broadcast from August to April. Care should be taken if too thick to thin out so as to avoid spindling plants. After plants are seven or eight inches high, transplant to field where they are to grow. Keep continually moist, never allow to grow dry, or they will most likely "shoot" to seed when watered again. Set the plants of small heading early varieties about 12 inches apart in rows two or a half feet apart, and later large headed varieties 24 to 30 inches apart in rows three to four feet apart. It requires about 7,000 plants to set an acre or about six ounces of seed.

**All Seasons.** The heads are very hard and solid, round headed. The plants are tall, very early, but still of a good large size. It is called All Seasons because it can be planted at any time of the year and can be depended on to make a good head. Pkt. 5c; oz. 60c; 1/4 lb. \$2.00; lb. \$6.00.

**Autumn Ball.** The leaves of all cabbages grow in a ball of excellent flavor and tender. Single heads often weigh forty pounds and over. Ideal for sauer kraut. Pkt. 5c; oz. 70c; 1/4 lb. \$2.30; lb. \$7.00.

**Copenhagen Market** is certainly a valuable, early cabbage producing round, hard heads very early in the season. As early as the Charleston Wakefield. It is the most popular early cabbage in the markets of Co-

penhagen, and is becoming popular in America. Plants are short stemmed, prostrate, the heads almost on the ground. The light green colored leaves are medium in size, saucer shaped, and are always tightly folded; the plants may therefore be set closer than most other early varieties. It is a vigorous grower and yielder, as are all cabbages from Denmark, and an excellent keeper. Pkt. 10c; oz. 85c; 1/4 lb. \$2.60; lb. \$8.50, postpaid.

**Danish Ball Head.** One of the best of winter cabbages, heads round, exceedingly solid and excellent keeper. Pkt. 10c; oz. 85c; 1/4 lb. \$2.60; lb. \$8.50.

**Early Winningstadt.** Imported. A superb strain of this popular cabbage, the heads giving perfect satisfaction to our market gardeners for years. Sure Pkt. 10c; oz. \$1.00; 1/4 lb. \$3.30; lb. \$6.00; 1/2 lb. \$2.00; lb. \$6.00.

**Scott's Cross.** A pointed headed variety,—a cross between early Winningstadt and Flat Dutch with a broad base. Considerably larger than the Winningstadt, weighing from eight to ten pounds. Sure to head and heavy yielder. Short crop. Pkt. 10c; oz. \$1.00; 1/4 lb. \$3.30; lb. \$6.00.

**Succession.** Dwarf habit, light green, very solid flat heads, about ten days later than Early Drumhead. Pkt. 5c; oz. 60c; 1/4 lb. \$2.00; lb. \$6.00.

**Early Jersey Wakefield.** A popular first early sort with Eastern gardeners. Does not do so well here as the Winningstadt. Pkt. 5c; oz. 60c; lb. \$6.00.

**Prussian Large Late Flat Dutch.** A standard sort for late crop. A hard sure header. Pkt. 5c; oz. 60c; 1/4 lb. \$2.00; lb. \$6.00.

**Early Drumhead.** Undoubtedly the best early cabbage for home gardening, as well as the best early marketing varieties for late planting. Pkt. 7 1/2c; oz. \$1.00; lb. \$10.00.

## RED CABBAGE

**Large Red Drumhead.** This cabbage has proved the most successful of the Red varieties in this locality, attaining a large solid head of good deep color. Pkt. 5c; oz. 70c; 1/4 lb. \$2.30; lb. \$4.00 up to 10 and 12 pounds each. Cannon Ball cabbage will come in from two to six weeks earlier than the Winningstadt and will out-yield in any season. Each year the demand for Cannon Ball cabbage increases. Pkt. 10c; oz. 85c; 1/4 lb. \$2.75; lb. \$8.50.



Scott's Cross Cabbage.

## SAVOY CABBAGE

**Drum-head.** A variety that is much prized in Europe and also by those who are familiar with it in this country. Well adapted for winter growth. It is very sweet and crisp and always tender. Pkt. 5c; oz. 60c; lb. \$6.00.

Our CANNON BALL CABBAGE has again demonstrated its superiority with the growers. One of our Compton friends average sixteen tons per acre on a forty acre tract planted to Cannon Ball. A grower in the Montebello district received a check of over \$4500 for his crop on four acres. Cannon Ball headed when other varieties failed under the adverse conditions of last winter and spring. As a cabbage for home use it is unexpected.

## CHINESE CABBAGE

Culture same as cabbage. We have two distinct types of this succulent vegetable. Chinese cabbage is becoming more popular each year and it is beginning to be shipped to eastern markets in considerable quantities.

**Large White Stalk or Celery Cabbage** grows eighteen to twenty-four inches tall, forming a looser head than the Harder Winter variety. Excellent for poultry. Pkt. 7 1/2c; oz. 40c; 1/4 lb. \$1.25; lb. \$4.00.

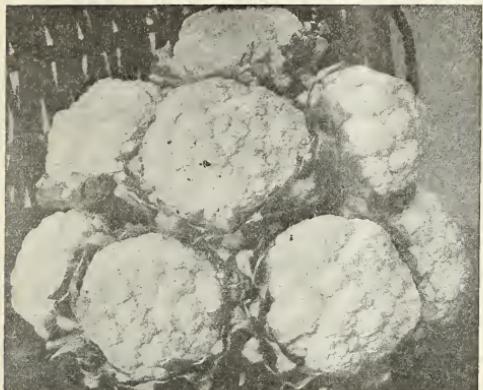
**Hardy Winter or Wong Hok** is the short leaved variety for shipping.

**Wong Hok** makes a solid head about twelve inches long and five inches through. Pkt. 10c; oz. 50c; 1/4 lb. \$1.50; lb. \$5.00.



Field of Our True Cannon Ball Cabbage with Record of Over 20 Tons Perfect Heads to the Acre.

# CAULIFLOWER



Cauliflower—Dry Weather

**Culture.** Cauliflower is a hardy plant and should be grown during the cool seasons in good soil with plenty of moisture at the roots. Sow seeds of early and medium early varieties during May and June; however, there is considerable change in sowing cauliflower so early as it needs cool weather during the heading periods. If the fall months are warm the Cauliflower will be small and strong tasting. Seed sown from August to February produces the best heads. California Pearl and Dry Weather are used the most. Set plants of early varieties 18 to 20 inches apart and late varieties 20 inches apart in rows three feet apart.

Cauliflower should be kept growing constantly, as it may be injured by a check at any period of its growth.

**Autumn Giant.** A large late sort with compact head. Pkt. 10c; oz. \$1.50; ½ lb. \$5.00; lb. \$15.00.

**Extra Early Snowball.** The very best for forcing and earliest in open ground. This variety combines all pedigree points, earliness, purity of color, downy habit, and grain. These seeds will produce cauliflower worth the highest market price. It cannot be sold cheap, but the shrewdest gardeners find it the most profitable. Pkt. 25c; ¼ oz. \$1.50; oz. \$4.50; ½ lb. \$15.00.

**Dry Weather.** It produces large solid white heads and is an early variety.

It is especially adapted for growing in dry locations where other varieties fail. Especially recommended for Southern California and Arizona. Give it rich soil and thorough cultivation. Pkt. 25c; ¼ oz. \$1.50; oz. \$4.50; ½ lb. \$15.00.

**Catifornia Pearl.** It is particularly adapted for shipping, the flower being completely enveloped within spiral curled leaves, thus avoiding injury in packing and retaining its fresh appearance longer than any other variety. It is the shipper's favorite. Per pkt. 20c; oz. \$2.00; lb. \$20.

## MORRIS & SNOW'S EARLIEST GIANT

This is selected stock from one of the largest and best growers, and is one of the finest early large headed Cauliflower on the market. For the past season we have given this to the most critical growers as the very best of results. This variety has a head considerably larger than the Snowball or Early Erfurt, and is well protected by the foliage. This is of Italian origin and does exceptionally well in this climate. Pkt. 10c; oz. \$2.

## MORRIS & SNOW'S GIANT SECOND EARLY

This is a very large, fine headed variety for the later season, and produces heads of the finest flavor and quality. Heads are well protected. Pkt. 7½c; oz. \$2.00.

# CUCUMBER

**Culture.** Plant six to twelve seeds in hills four to six feet apart. Get the seeds into damp soil about one inch. Rich, well watered soil is necessary to produce the finest cucumbers. Plant seed in open ground about 15c; or they may be started under cover earlier by planting the seed in pots and reset in the open as soon as danger of frost is over. One ounce of seed will plant forty hills. Two pounds to the acre.

To control *Aphis* spray with Black Leaf 40 as directed on the can.

**Arlington White Spine.** A rich, dark green variety, turning white when ripened. The fruit is about 18 inches long when in marketable condition and very straight and even shape. Is early and good for forcing and out-of-door culture. Pkt. 5c; oz. 15c; ½ lb. 45c; lb. \$1.50.

**Chicory Pickling.** This is undoubtedly the best Cucumber for Pickles, and is used almost exclusively by a vast majority of the pickle factories. The fruit is medium length, pointed at both ends with large and prominent spines. Pkt. 5c; oz. 15c; lb. \$1.50.

**Davis Perfect.** This cucumber has been a favorite for late spring and early summer planting. The fruits are eight to ten inches long, dark green and very attractive. It is also extra good for hothouse use. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

**Improved Long Green.** Dark green, firm and crisp, 12 to 16 inches long. Very extensively grown. Pkt. 5c; oz. 20c; lb. \$2.00.

**Japanese Climbing.** This sort grows quickly, climbing poles or trellis, thus taking up very little room on the garden. The fruits are of good size and of fine flavor. Pkt. 5c; oz. 20c; ¼ lb. 65c; lb. \$2.00.

**Klondyke.** A favorite variety among our market gardeners. It is an improved strain of the famous White Spine. When suitable to ship the fruit average about 18 inches in diameter and 1 inch long, very dark green, striped with light green about one-third the length from the blossom end. The flesh is waxy, white, crisp, and of excellent flavor. Pkt. 5c; oz. 15c; ½ lb. 45c; lb. \$1.50.

**Telegraph.** This is very long cucumber and grows to perfection in the hot house on supports, but they do very well here on trellis as they grow creased when coming in contact with cloches or other obstacles on the ground. An English type and most excellent eating. Produce very few seeds. Package 25 seed 15c.

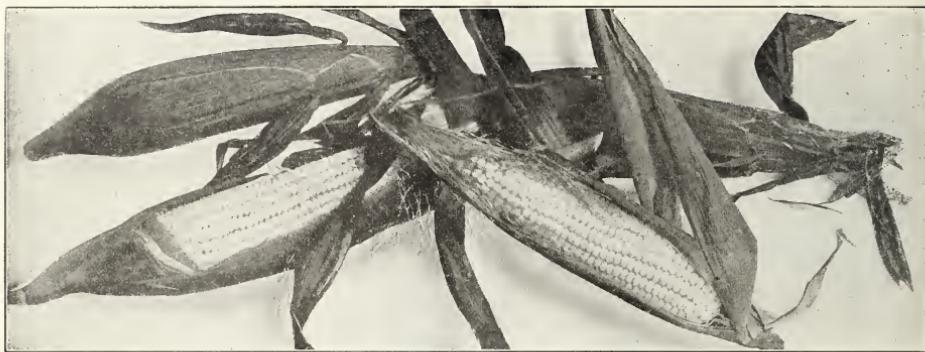
**Gherkin, or West India Gherkin.** An extremely small fruit variety, grown exclusively for pickles. Pkt. 5c; oz. 25c; ¼ lb. 80c; lb. \$2.50.

## LEMON CUCUMBER

This is a very nice sub-acid variety, and considered superb as a salad. The fruit is small and in appearance similar to a lemon. Pkt. 10c; oz. 25c; lb. \$2.50.



Klondyke Cucumber—One of the Best Market Varieties



Reproduced from Photo of Heath's Early—The Sweetest Corn Grown

## CORN

**Prices Quoted Herewith Are Prepaid.**  
Ask for prices on large quantities.

**Culture.** Plant as soon as danger of frost is past in rows 3 to 4 feet apart, 10 inches apart in rows three feet apart, except for late plantings; plant the corn two or three by four feet apart. Keep the ground well hoed or cultivated so that the moisture may be retained and the soil not washed out. For success, plant every two weeks till August 15th. In order to secure well filled cobs it is advisable to plant several rows side by side. The effect of this will be to ensure an ample supply of pollen reaching the cobs and upon this will depend whether the cobs are well filled or not. Plant eight pounds per acre. We give our list in the order of the earliness of the corn.

**Corn Worms** are the caterpillar state of a moth that flies about at night and deposits its eggs on the corn silks as they first come out. The best remedy for corn worms is to dust the young silks lightly with dry arsenate of lead.

## SWEET CORN

**Extra Early Adams.** The hardest and earliest corn for table use. It is not a sweet corn but on account of its earliness it is extensively planted both by the market gardener and for home use. It is sweet and tender, and very productive. Pkt. 5c; by mail, 1b. 30c.

**Oregon Evergreen.** This has become a standard variety in Southern California and it certainly is worthy of the home garden. Pkt. 10c; lb. 35c; 10 lbs. \$3.00.

**Golden Bantam.** A very dwarf extra early variety of a rich golden yellow; very sweet and fine. Highly recommended by Agricultural Schools and Experiment Stations. Pkt. 10c; lb. 40c; 10 lbs. \$3.50.

**Early Minnesota.** The old standby extra early large sweet corn. An eight rowed corn maturing right after the very earliest. The excellent quality of the large white grains and its productive habit make it immensely popular. Pkt. 10c; lb. 40c; 10 lbs. \$3.50.

**Large Adams.** This is the best variety to plant in July and early August for late crop. This is similar to the E. F. Adams but has larger kernels. Pkt. 5c; by mail 30c.

**Big Four** is a vigorous growing, medium early sweet corn, becoming ready to pick four to seven days earlier than the Oregon Evergreen, but the ears are larger.

The best results are obtained when this corn is planted 2 to 3 feet apart in rows 3 to 4 feet apart. The great demand for this corn last year insures its success.

Price, pkt. 10c; ½ lb. 20c; 1 lb. 45c; postpaid. Ask for prices on larger quantities.

**Black Mexican.** One of the best sweet corns for this section. Deliciously sweet. It produces a good sized, well filled ear of fine flavored corn. It gives thorough satisfaction wherever used. Pkt. 10c; lb. 40c; 10 lbs \$3.50.

**Stowell's Evergreen.** Most popular of all sweet corn varieties. Large fine flavored ears borne in abundance

with deep kernels, white in color. Main crop sort. Pkt. 10c; lb. 35c; 10 lbs. \$3.00.

**Country Gentleman.** One of the most delicious and sweetest of all the sweet corns. A main crop variety. It is extremely productive, its stock averaging three ears and sometimes as many as five. Pkt. 10c; lb. 40c; 10 lbs. \$3.75.

Use our coupon order sheet. It gives you \$1.25 worth of seed for \$1.00.

## HEATH'S EARLY

An excellent corn; early and very sweet. The ears are medium size and well filled, the husks are bright green and grow close to the ear so that it is easily shelled by hand. The demand has greatly increased and many of the growers will have nothing else. Do not fail to try some of Heath's Early for late planting because of its deep green foliage which it retains even when the nights have become quite cool and other varieties of sweet corn have lost their green, fresh appearance. There is no variety that is better for the private garden. Pkt. 10c; ½ lb. 25c; lb. 40c, postpaid.

## POP CORN

**Culture.** Plant in rows and manage same as other varieties of corn. Use three to four pounds of seed per acre. To get best results for popping, the corn must be thoroughly matured and dried. Year old corn is best.

**White Rice.** The most popular variety—making a large white popped corn. Lb. 30c, postpaid. Larger quantities at market prices.

**Golden Queen.** The stalks grow six feet high and the large ears are produced in abundance. When popped perfectly white, as a single kernel will expand to a diameter of nearly one inch. Per lb. 25c, postpaid. Write for quantity price.

**Midget (New).** Very small kernels make fine fluffy popped corn. Every grain pops. No waste. Heavy producer. ¼ lb. 15c; lb. 45c, postpaid.

## THE MARKET FOR PRODUCE

As a source of supply for winter vegetables Southern California has become fully as prominent as it is as a tourist rendezvous. From a beginning of simply supplying the permanent and tourist population with fresh garden truck the business has grown in such proportions that it requires thousands of freight and express cars to distribute the produce. Shipments are made to all parts of the United States through organizations that maintain selling agents or distributors in the larger cities throughout the country. These organizations or shippers either contract with growers for certain acreage of stub or buy outright for their immediate needs. Since the competition between the shippers for the produce the grower in general gets better returns by disposing of his produce through a shipper than to ship on his own account. The shipper is the producer mainly upon a broker or commission merchant to distribute the consignment to the best of his ability.

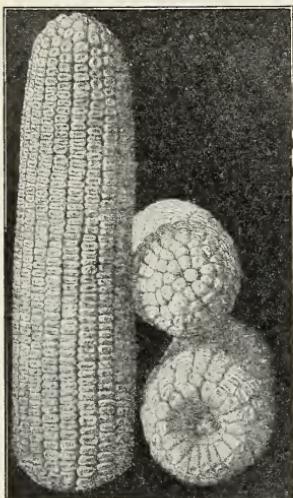
For conserving produce for distribution throughout the most of the year we have the cold storage for keeping the perishable and washables for the staples such as potatoes, dry beans and grains. The grower himself is not always in position financially to store his produce so it falls to the broker or merchant to help out this situation. He buys the produce at harvest or many times he advances money to the grower to raise the crop for him. This crop is stored for distribution later giving the consumer a supply of succulent summer vegetables well into the winter. This method saves a glut on the market at harvest time.

## FIELD CORN

Write for Quantity Prices

### YELLOW DENT VARIETIES

**Culture.** In Southern California corn may be grown as a second crop on damp or irrigated lands after a crop of hay or potatoes. Irrigate your ground thoroughly as soon as your first crop is out of the way, plow and harrow well, then irrigate again and work up your land and plant your corn three kernels in a hill, hills two feet apart in rows three to four feet apart. For dry farming keep your land worked during the spring, and when cold weather is over plant your corn three by four feet apart.



Golden Beauty Corn

**Iowa Gold Mine.** A large yellow dent corn, with large kernels and a small cob. A very heavy yielder. Lb. 25c, 10 lbs. \$1.50, postpaid.

**Mastodon.** A prolific, medium yellow variety, with medium sized kernels. Lb. 25c, postpaid.

**Golden Beauty.** The best yellow dent corn we have found for this section. This large, round, yellow dent corn has long ears, covered to the extreme ends with bright golden yellow grains. The cob is small making the product of shelled corn large. Exceedingly heavy cropper. Lb. 25c, 10 lbs. \$1.50, postpaid. Ask for prices on large quantities.

**King Philip, or Longfellow, 90-day.** A long and yellow dent corn, originally with 8 rows but now improved till it has from 12 to 14 rows to the cob. King Philip will make corn when the ground is too dry for other corn to develop. Per lb. 20c; 10 lbs. \$1.25, postpaid. Ask for prices on larger quantities.

**Leamington.** tall, early variety with heavy foliage. The kernels are long and deep yellow. One of the most popular corns grown. Lb. 20c; 10 lbs. \$1.25, postpaid.

### WHITE DENT VARIETIES

**Red Cob, Ensilage.** A large stalk with a profusion of leaves which makes it the most desirable for ensilage. Lb. 25c, postpaid; 10 lbs. \$1.50. Ask for quantity price.

**Hickory King, 110 Days.** A white variety, having the largest grain with the smallest cob ever introduced in a white corn. We sell many Hickory King corn, than all the other varieties put together. Although it is a late variety it is exceedingly popular in Southern California. Per lb. 20c, postpaid. Price on application.

**Wisconsin White Dent.** A perfect White Dent corn of good quality. Per lb. 25c, postpaid.

## LEEK

**Culture.** Sow in drills one foot apart, half inch deep in light rich soil; transplant when large as pencil, to 10 inches in the row. One ounce of seed to 100 feet of drill.

**Large Musselburgh.** A very large growing variety, and a favorite with many. Pkt. 5c; oz. 35c; lb. \$3.50.

**Monstrous Caretan.** A fine variety with dark colored leaves. Pkt. 5c; oz. 35c; 1/4 lb. \$1.10; lb. \$3.50.

## EGG PLANT

**Culture.** Sow seed in hot bed early in Spring. Transplant to boxes or cold frames in early summer, setting plants two to four inches apart, or, they may be put in small pots. Always keep plants from frost. After danger of frost is over set in permanent place two feet apart in rows three to four feet apart. Sprout. Per lb. Leaf 40 for Aphids and with Paris green or arsenate of lead for leaf beetle.

**New York Improved.** Finest variety yet produced. Pkt. 10c; oz. 75c; 1/4 lb. \$2.25; lb. \$7.50.

**Black Beauty.** Fruit large, symmetrical in shape and uniformly of a rich, dark purple color. Fruit matures a little earlier than our New York Improved, but are not quite as large. Pkt. 10c; oz. 75c; 1/4 lb. \$2.50; lb. \$7.50.

## KOHL RABI

**Culture.** Kohl Rabi produces turnip like tubers just above the ground having in size and shape of the heart stem of cabbage but much more tender. It is essential that they are grown quickly and continuously, otherwise they are tough and bitter.

Sow seed one inch deep where the plants are to be, about one month, thin out when two or three inches high. One ounce will plant a 100 foot row.

**Early White Vienna.** The earliest sort, very tender, excellent for table use. Pkt. 5c; per oz. 30c; 1/4 lb. \$1.00; lb. \$3.00.

**Early Purple Vienna.** Similar to above but has flesh of a purple color. Pkt. 5c; oz. 40c; 1/4 lb. \$1.30; lb. \$4.00.

**Goliath (New).** An improved white variety, grows quickly to a large size and is very tender and sweet. Pkt. 5c; oz. 40c; 1/4 lb. \$1.30; lb. \$4.00.

## KALE or BORECOLE

**Culture.** Same as for cabbage. Or it may be grown directly from seed and the young plants thinned out to the desired space. Largely grown for greens for poultry. Can be grown any time in the year, but best results are obtained by sowing seed during fall and winter. Have your plants planted 12 to 18 inches apart in the row and the rows three feet apart.

**Dwarf Kale.** Dwarf Curled Scotch or Sprouts. Dwarf Curled Scotch Kale. The leaves are curly, bright green; very tender and delicate in flavor. Pkt. 5c; oz. 25c; 1/4 lb. 85c; lb. \$2.50.

**Tall Green Curled Scotch.** This makes a beautiful plant, about 2 1/2 feet tall. Pkt. 5c; oz. 25c; 1/4 lb. 85c; lb. \$2.50.

**Jersey or Tree Kale.** A very hardy variety used mostly for poultry and stock purposes. Pkt. 5c; oz. 15c; 1/4 lb. 50c; lb. \$1.50.

**Thousand Headed.** This variety sends up many heads from the stem and is a very heavy producer. Per pkt. 5c; oz. 15c; lb. \$1.50.



Tall Green Curled Kale



Bed of Moss Curled Parsley



Field of Los Angeles Market Lettuce

## LETTUCE

**Culture.** Have the soil well pulverized and moist. Sow the seed in drills twelve to eighteen inches apart and not over half inch deep. Do not allow the seed to get dry after being sown (See "A Word About Soils"). When the plants are two inches high, thin them about eight inches, or transplant. The transplanted plants will mature two to four weeks later than those grown direct from seed.

Well watered, rich loam soil well worked and kept free from weeds, insures a fine brittle lettuce.

### CABBAGE-HEADED

#### CURLED LEAVES

**Iceberg.** Large curly leaves, light green, with very slight reddish tinge at the edges. Delicious, crisp, nutty flavored heads, often attaining 8 to 12 oz. each. **Iceberg** can be planted the year round and is practically the only lettuce that will head at all satisfactorily during the summer months. Pkt. 5c; oz. 25c; 1/4 lb. 80c; lb. \$2.50.

**Wonderful.** One of the most popular lettuces on the Los Angeles market. It makes a larger and flatter head than the New York Special, with which it is sometimes confused. Head very solid, crisp and buttery; green outside but white inside. This lettuce should not be sown before October nor after March, as it will not head during the warm weather. Pkt. 10c; oz. 75c; 1/4 lb. \$2.50; lb. \$7.50.

**Hanson.** Similar to **Iceberg**, without the tinge of red. Heads to perfection when planted during February, March and April. Pkt. 5c; oz. 20c; 1/4 lb. 65c; lb. \$2.00.

#### NEW YORK SPECIAL OR LOS ANGELES MARKET

To meet the demands of the shippers of Winter vegetables, we went to considerable expense to get this lettuce. It is a select strain of the **Wonderful** Lettuce grown for the market for many years. It has a very solid conical head, making it especially valuable for packing and shipping. It is of fine flavor and takes well to freezing.

The leaves are dark green outside but inside the heads are pure white and well crimped.

This lettuce is shipped to all parts of the United States, and is known as the Los Angeles Lettuce.

Pkt. 10c; oz. 75c; 1/4 lb. \$2.50; lb. \$7.50.

### CABBAGE-HEADING VARIETIES

#### SMOOTH LEAVED

**All the Year Round.** Is one of the most desirable of all smooth leaved varieties. Solid heads with heart as yellow as gold. Pkt. 5c; oz. 10c; 1/4 lb. 30c; lb. \$1.00.

**Big Head.** A very early variety, forming fine hard heads within a few weeks after planting. It is medium sized, light green, with buttery crisp heads. There is just a faint tint of brown on the head, but it is essentially a spring head and does not all summer. Being of rapid growth and quick heading it is especially recommended for the home garden and is universally esteemed. Pkt. 5c; oz. 15c; 1/4 lb. 50c; lb. \$1.50.

**California Cream Butter.** This lettuce has become the most popular of all smooth leaved varieties. It is of good flavor and beautiful in appearance. Pkt. 5c; oz. 10c; 1/4 lb. 30c; lb. \$1.00.

**May Queen.** The new variety from Europe. The earliest fine late heading variety, very highly recommended. Pkt. 5c; oz. 10c; 1/4 lb. 30c; lb. \$1.00.

**Tennis Ball.** Similar in every respect to California Cream Butter except in size. It forms a solid head and is best for early forcing. Pkt. 5c; oz. 15c; 1/4 lb. 40c; lb. \$1.25.

**Brown Dutch.** This is one of the largest and finest flavored lettuces, of the smooth headed variety. We recommend to all who like a rich buttery lettuce. It forms very large heads, the outer leaves brown and the heart being yellow. Pkt. 5c; oz. 10c; lb. \$1.50.

**Denver Market.** A handsome variety, forming tight, conical heads. The leaves are very deeply savoyed, and even the outside leaves are tender and crisp. Color is light green. Pkt. 5c; oz. 15c; 1/4 lb. 50c; lb. \$1.50.



Iceberg Lettuce

### LOOSE HEADING VARIETIES

**Black Seeded Simpson.** This is a very popular variety as a loose leaf lettuce. The leaves are large, thin, very tender, and of very fine quality. It is one of the best sorts for under glass as well as for early outdoor planting. Pkt. 10c; 1/2 lb. 30c; oz. 10c; pkt. 5c.

**Prize Head.** This excellent lettuce has no superior, having tried it once you will want it again. Pkt. 5c; oz. 10c; 1/4 lb. 30c; lb. \$1.00.

**Grand Rapids.** A loose leaf, very early forcing variety; very popular for growing in cold frames or under glass. Pkt. 5c; oz. 15c; 1/4 lb. 40c; lb. \$1.25.

**Early Curled Simpson.** One of the best early sorts. The leaves tend to produce a large loose head, beautifully crimped. Pkt. 5c; oz. 10c; 1/4 lb. 30c; lb. \$1.00.

### COS LETTUCE OR ROMAINE

These Lettuces have a distinct upright habit and are considered by many to be the highest quality of all lettuces. They crisp and sweet.

**Paris White Cos.** Grows to large size. Self-closing. Pkt. 5c; oz. 15c; 1/4 lb. 45c; lb. \$1.40.

**Giant White Cos.** Grows about ten inches high, the outer leaves fold back to the center. The inner leaves are blanched quite white; very crisp and mild. Pkt. 5c; oz. 15c; 1/4 lb. 50c; lb. \$1.50.

Use our coupon order sheet. It gives you \$1.25 worth of seed for \$1.00.

### ENDIVE



Moss Curled Endive

**Culture.** This vegetable is highly esteemed as a salad. Sow small quantities at different times to insure a plentiful supply as these crops soon run to seed. When the plants are three or four inches high, transplant one foot apart, each way. Blanch the leaves by gathering them all together and then, when perfectly dry, with Raffia, a couple weeks before using. A much neglected vegetable which grows to perfection in California, also called Chicory and Escarole.

**Broad Leaved Batavia.** Broad, nearly plain; light green; best for soup. Pkt. 5c; oz. 15c; 1/4 lb. 40c; lb. \$1.25.

**Moss Curled Green.** Moss-like appearance, beautifully curled. Pkt. 5c; oz. 15c; 1/4 lb. 45c; lb. \$1.25.

**Moss Curled White.** Does not need blanching, the midribs being naturally of a pale golden yellow, almost white. Pkt. 5c; oz. 20c; 1/4 lb. 70c; lb. \$2.00.

### GARLIC---See Onions

## MUSTARD

**Culture.** Sow the seed in drills early in the spring and at frequent intervals throughout the summer to secure a constant supply of fresh greens. Mustard is hardy and is early grown. One ounce will sow fifty feet of row.

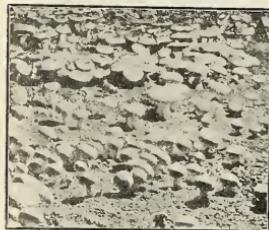
**Giant Southern Curled.** Large variety forming a great mass of the beautiful leaves, which are ruffled and finely curled on the edges. Hardy, vigorous, highly recommended. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; Ib. \$1.25.

**White English.** Light green variety tender leaves. Seed light yellow. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; Ib. 75c.

**Chinese.** The leaves are twice the size of the ordinary White Mustard, while the flavor is sweet and pungent. Per pkt. 5c; oz. 15c; Ib. \$1.25.

**Ostrich Plume or Fordhook Fancy.** The plants of vigorous growth, have beautiful dark green leaves which curve outwardly like a fine ostrich plume. Even those who do not care for mustard as a piquant salad will be delighted with this variety. Fordhook Fancy, cooked like spinach, any time during the summer. It is even superior to the best spinach in flavor. Try it. Per pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; Ib. \$1.50, postpaid.

## MUSHROOM SPAWN



The following are suggested as embodying in a few words the basic principles underlying successful cultivation:

"Mushrooms may be grown in a shed, cellar, cave under the benches in green houses, in fact in any place where conditions of temperature and moisture are favorable or can be controlled. The proper temperature ranges from 55° to 60° F., with extremes from 50° to 65° F. The atmosphere should be moist enough to allow the vapor from the soil to gradually renew the air. A gradual renewal of the air without draughts, should be provided for. Horse manure, properly composted by three or more successive turnings, is the best material for the beds. The object of the turnings is to expose the manure to the air and by oxidation transform it into cellulose, the form in which it is assimilated as food by the mushroom. The manure is piled in heaps about 4 feet deep and allowed to heat, when being taken to avoid over-heating or burning. It is turned or forked over 3 or 4 times, at a week's interval, in such a manner as to bring the inside of the heap to the outside and thus secure a uniform oxidation. The manure is sprinkled at each turning but not drenched. When small quantities of manure are used, and a proper heating or composting of the material cannot therefore be obtained, it may be found advisable to add, some loam with it, about one-fourth or one-fifth, and make up the beds after one or two turnings. The beds are made to a depth of 10 or 12 inches.

When the temperature of the beds has dropped to about 75° F., the spawn is inserted to a depth of from 1 to 2 inches, and tamped. When the spawn is "running," or fully developed, after planting, the bed is covered. Casing consists in applying a layer of screened loam (a calcerous loam is to be preferred) from 1 to 1½ inches deep to the surface of the bed. The casing should be applied in small amounts and appear from 5 to 10 weeks after spawning, and will continue to produce for a period ranging from two to three months."

**Cultural Directions.** (A small pamphlet) 5c each.

### SPAWN

**Lambert's Pure Culture Spawn.** produced from pure cultures invigorated by frequent reference to spore stock. Each brick weighs from 1½ to 1 1-3 lbs. and will spawn from 8 to 10 square feet of beds. We keep on hand white variety which is generally preferred in the markets, but can supply the cream or brown varieties. Per brick. 40c; 5 bricks, \$1.75, postpaid; by express or freight, 10 bricks, \$2.75; 25 bricks, \$6.50; 100 bricks, \$24.00.

## MUSK MELON

**Note.**—Melons require a strong fertile soil. The better condition you have your land the better melons you get. We earnestly recommend the sowing of a cover crop for the upbuilding of your soil. In the Fall after the first rain, plow and harrow your ground and sow on top the cover crop, after which plant Yorkshire Herbs Peas and pick the first crop or two for market then plow the green vines in deep. This will give nitrogen and humus to your soil in an available condition from which the melons will benefit in their nourishment the following season.

**Culture.** Sow in hills six feet apart in rows eight feet apart. Drop about 8 to 10 seed to the hill; cover one inch deep. Apply a good dressing before the plant appears above the ground, to keep away beetles. When the young plants begin showing character thin each hill to two strongest plants. One ounce seed will plant 70 or 80 hills, two pounds to an acre.

Spray with Black Leaf 40 for Aphids.



Burrell's Geni Melon

### MUSKMELONS

#### BURRELL'S GEM CANTALOUE

Delicious flavor. Flesh golden and very thick, fine grained. Uniform in size and weight. An ideal market variety. Shape slightly elongated; meat very thick, fine grained and spicy, not containing too much water or acid. Seed cavity small triangular, with seed hole clearly defined in three lobes. This is one of the first points to consider in shipping melons. The average weight is two and one-half pounds; uniform length about six inches, and the thickness four and one-half inches.

Not only is this an excellent shipping melon, but for quality it is excellent and very satisfactory for the amateur grower for home use.

Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; Ib. \$1.50.

**California Beauty.** Fruits of large size, well flavored, thick, ribbed and sweet. Of very handsome appearance and fine quality. Most highly recommended; it ripens as early and is similar to Hackensack, but superior. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; Ib. \$1.50.

**Champion Market.** A splendid variety of the greatest Gem type, producing fruit nearly three times as large as the original Gem or "Rocky Ford." The melons are regular in form, nearly round, averaging eight inches in diameter, with heavy well-netted ribs, thick light-green flesh, with very thin rind and true Nettie flavor. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; Ib. \$1.50.

**Columbus.** A medium sized, heavily netted round melon without ribs. The flesh is thick and of fine flavor with small seed cavity. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; Ib. \$1.50.

**Extra Early Hackensack.** Sometimes called Turk's Head. A large round melon flattened at the ends and well ribbed. The skin is deeply netted; flesh is green and of a delicate flavor. Pkt. 5c; oz. 15c; Ib. \$1.50.

**Gautier's Pineapple.** has been the leading muskmelon on the local market for several years and will, no doubt, hold that position for some time, as it is certainly one of the best melons for size, shape and appearance yet produced, and when raised under proper conditions is of fine texture and flavor. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; Ib. \$1.25.

**Jenny Lind.** Very solid and sweet flavor; heavily netted and deeply ribbed. This melon is rather small and quite flattened in form, just the right shape for serving for breakfast. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; Ib. \$1.50.

**Large Green Nutmeg.** An excellent melon for the grower and the shipper. Similar to the Hackensack in shape. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; Ib. \$1.50.

**Banana.** A long, slender melon of deep yellow flesh. The taste is very pleasing of a banana flavor. An old favorite. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; Ib. \$1.50.

**Montreal Market.** A large-fruited variety, nearly globular with flattened ends. Skin dark green, heavily netted. Flesh light green. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; Ib. \$1.50.

**Netted Rock.** The meat is very deep, light green, fine grained, spicy and sweet. The seeds are large and the sweet almond completely fill it, so that there is little chance of decay in shipment from the loosening of the seeds. This melon is grown more



Honey Dew Melon

**HONEY DEW (NEW)**

An oblong melon with smooth white tough rind. Excellent shipping and keeping melon. Flesh is light green and very sweet. The Honey Dew is very popular on the eastern market. One shipping concern cleared up \$5000 from a little over a hundred acres grown in California and Arizona. We believe this melon will be a big seller on our local market. Pkt. 10c; oz. 25c; 1/4 lb. 80c; lb. \$2.50.

**than any other by the large shippers of California and Colorado.** Write for special prices on large quantities. Pkt. 5c; oz. 15c; 1/4 lb. 50c; lb. \$1.00.

**Osage.** A large melon with the shipping qualities and flavor of the Osage and Netted Gem (Rocky Ford). A splendid shipper. Outside like the Netted Gem, inside like Osage or Paul Rose, it pleases the eye on sight and confirms the taste in the flesh color and exquisite flavor when cut. Pkt. 5c; oz. 15c; 1/4 lb. 50c; lb. \$1.50.

**Paul Rose.** A very heavy cropper, ripening an enormous number of fruits. The flesh is salmon color, very deep, and of fine melting character with thin rind and small seed cavity. Pkt. 5c; oz. 15c; lb. \$1.50.

**Rocky Ford.** It is a small early melon; flesh is deep and thick and light green in color, except next to the seed where it inclines toward yellow. The flavor is exceedingly fine. Pkt. 5c; oz. 15c; 1/4 lb. 50c; lb. \$1.00.

**Tip of the Pine.** Selected stock. A melon we recommend to every lover of this luscious fruit and to every gardener who grows for the market. It is a yellow fleshed melon of the very best quality; every melon produced, big or little, early or late in the season, is a good one. They are sweet, juicy of finest flavor, edible to the very rind. It is a strong grower and a



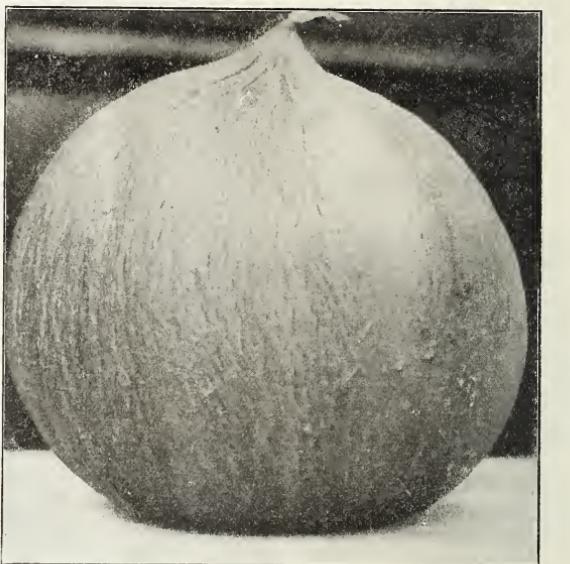
Hybrid Casaba

heavy yielder, and of handsome appearance. Pkt. 10c; oz. 25c; 1/4 lb. 85c; lb. \$2.50.

**CASABA VARIETIES**

**Armenian.** A fine melon of delicious flavor between the Hybrid Casaba and musk melon. The Armenian melon was brought home from the Holy Land by parties traveling there who were favorably impressed with its excellent flavor and good appearance. It has the shape of the Montreal Market, lightly netted with a dark green, but with the keeping qualities of the Casabas. We can fully recommend this melon and advise a trial of it at least. Pkt. 10c; oz. 30c; 1/4 lb. \$1.00.

**White's Favorite.** A round yellow rind Summer Casaba of considerable merit. Easier to keep than the other Casaba and is handled the same as Muskmelons. Pkt. 7 1/2c; oz. 30c; 1/4 lb. \$1.00; lb. \$2.00.



Casaba—Golden Beauty

**Golden Beauty.** This melon is very similar to the Winter Pineapple except that it has a golden yellow rind. A fine keeper and shipper. Pkt. 10c; oz. 25c; 1/4 lb. 75c; lb. \$2.50.

**Winter Pineapple.** This is the original variety of the Casaba (and has been a favorite ever since) first grown here. It is the wrinkled green one with somewhat of a cucumber flavor. It is being used very extensively for shipping East for the holiday and winter trade. When well packed with straw in crates they arrive at destination in fine condition. Pkt. 10c; oz. 25c; lb. \$2.50.

**Hybrid Casaba.** This is with the Old Summer the largest of all the Casabas attaining 16 to 18 lbs. Outside it is a pale green in color and heavily ribbed and wrinkled. The flesh is creamy white in color and from two to three inches in thickness. The meat simply melts in your

mouth. We have a select strain of this seed. Pkt. 5c; oz. 20c; 1/4 lb. 60c; lb. \$2.00.

**Christman or Santa Claus.** This is the oblong mouth melon which has become so popular throughout the southwest. It is being shipped all over the United States during late fall and winter months. The rind or shell is hard and about one-eighth of an inch thick. The flesh is light green in color and of a deliciously juicy flavor. There is no seed cavity, the seeds are in the thick pulp which is a continuation of the flesh. Do not pick this melon before it is ripe if you want to get the best flavor. Pkt. 10c; oz. 25c; 1/4 lb. 75c; lb. \$2.50.

**Improved Hybrid.** This melon is not as large as the Hybrid Casaba and has a deep green color outside. It is the par excellence of the Casabas. Pkt. 10c; oz. 25c; 1/4 lb. 75c; lb. \$2.50.

**Columbus Casaba.** Our new Casaba.

best variety. It is from the European and Domestic varieties, which we have been testing out. This promising to be the best of all the many varieties under trial. Melons medium to large, averaging about 6 lbs. perfectly round without edges. Highly netted and extremely showy, with deep rich salmon colored flesh, which for quality is unsurpassed by any Casaba we have tested. This variety is highly recommended for its marketable quality and being one of the most showy, is sure to sell well. (See illustration on this page, reproduced from photo.) Pkt. 10c; oz. 30c; 1/4 lb. \$1.00; lb. \$3.00.

**Casabas—In Fine Mixtures** saved from our experiment plantings of our choice selected and domestic unnamed varieties of every shape and size from one to 20 pounds, many of which look very promising. Pkt. 10c; oz. 25c.



Klondyke or Pasadena Water Melon

## WATERMELON

**Klondyke or Pasadena Water Melon.**  
 Culture. As soon as the weather becomes warm, about the first of March, select a rich sandy loam soil which has been plowed deep and well harrowed. Plant 6 to 10 seed one or two inches into moist soil in hills 10 to 15 feet apart each way. When young plants show a tendency to thin out 2 or 3 best plants in each hill. Keep your ground well cultivated and free of weeds. The best flavored melons are grown without irrigation. One ounce to 50 hills, 2 lbs. per acre.

Apply Tobbaco Dust or slackened lime before the plants come up to keep beetles away.

### KLONDYKE (Special)

We have made arrangements with one of the best melon growers, Chas. Richardson, to save for us and put up under his own supervision Klondyke Watermelon Seeds, grown from the original stock of which he has been carefully growing since this wonderful melon was first introduced. To our own knowledge Mr. Richardson has been handling this particular lot with the best of care and we feel proud that he gives us this opportunity to offer the original strain of Klondyke in pound packages at \$2.00 per lb.

**Klondyke or Pasadena.** Has certainly won favor in the San Gabriel Valley, but seemed to have disappeared in the coast melon district. This melon is oblong, of dark green rind with bright red flesh, very crisp, and as sweet as sugar. This melon has taken the market at Pasadena and other foothill towns. Pkt. 10c; oz. 30c; lb. \$2.00.

**Alabama Sweet.** This is a very popular variety in the South where they grow it in preference to any other melon. In shape it is round, of dark green flesh and absolutely stringless. Pkt. 5c; oz. 15c; lb. \$1.25.

**Angeleno.** Is a cross from the famous Chilian. It is somewhat larger in size than the parent but equally as good shipping and eating qualities. The Angeleno is an unusually heavy cropper. Its very dark green glossy skin in contrast with its dark red crisp flesh makes it a most tempting looking melon. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; lb. \$1.50.

**Florida Favorite.** A favorite in San Joaquin Valley; fine, large, very fine flavored. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.25.

**Halbert Honey.** A very sweet, long, dark green variety. Fruit averages 18 to 24 inches long, having a thin rind and deep red meat of delightfully delicious flavor; pulp entirely free from stringiness. One of the finest for the home garden. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.25, postpaid.

**Kleckley's Sweet.** One of the finest grown on the market. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

**True Ice Cream.** Yellow fleshed. The great home market melon. It has too thin a rind for shipping unless packed in straw. Few, if any, surpass a True Ice Cream for quality and productiveness. Lb. \$1.50;  $\frac{1}{4}$  lb. 50c; oz. 20c;  $\frac{1}{4}$  lb. 10c.

**Georgia Buttermilk.** Out of the oldest and most popular sorts and frequently known as **Gypsy**. A large oblong variety with decided stripes, of light and deep green. Rind is tough, but flesh is of good quality and stringless; good for shipping and market melons. Is quite as generally used by the large melon growers as Kleckley Sweets and is more profitable, being very easily grown. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

**Tom Watson.** A Watermelon of superior shipping qualities with all the good points of a home garden Melon. It has thin skin, mottled green rind, bright red flesh, which is deliciously crisp and tender. The mature melons weigh from 40 to 60 pounds and are from 18 to 24 inches long. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb. \$1.25.

### CHILIAN VARIETIES

**Black Seeded Chilian.** A variety brought from South America several years ago. It originally had black seed, but like other black seeded melons grown in this section, continually, the seeds have become almost entirely white. The black-seeded Chilian is much earlier than the other strains and seems to have a better flavor and is certainly a more prettier melon when cut open. We have procured some black seeded Chilian seed grown from the original stock, with the yellow belly, and we know all who try it will be satisfied. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.50.

**Red Seeded Chilian.** A fine strain of this melon and much sought. Pkt. 5c; oz. 15c; lb. \$1.50.

**White Seeded Chilian.** The strain mostly grown, and a great favorite with the commercial growers. This we have in extra selected stock. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.50.

### BLACK SEDED ANGELENO

For several years it has been the ambition of most melon growers and breeders to perfect a black Seeded Angeleno. This has been in limited quantities of this variety at different times but never before has anyone been able to supply the seed of the **Black Seeded Angeleno** in quantities sufficient to plant large acreage.

The Angeleno has been one of the most popular melons on the Southern California markets. The dark green rind appeals to the buyer and attracts the attention of the consumer. The dark red flesh and excellent flavor of the melon pleases the consumer.

Although the rind is thin the Angeleno is a good shippable and will stand a haul of 200 to 400 miles in car loads and arrive in good condition.

Now we offer a melon with all of these merits with the added advantage of being black seed which makes it very attractive wherever a cut melon is exhibited, especially advantageous for restaurant and cafeteria trade.

**Black Seeded Angeleno.** Our seed is especially grown and saved for seed purposes; thoroughly ripened. Price pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 65c; lb. \$2.00, postpaid. Write for prices on larger quantities.

**Sweet Heart.** An old home favorite with black sed and red sweet flesh. Oblong shape. Pkt. 5c; oz. 15c; lb. \$1.25.



Chilian

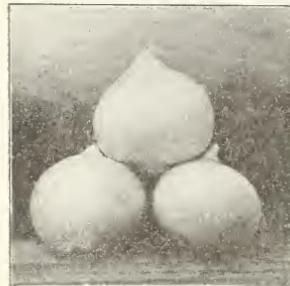
### CITRON

**Citron, Red Seeded or Colorado Preserving.** A small, globular variety, striped and marbled with light green. Flesh white and solid; seeds red. Used exclusively for pickles and preserves. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb. 75c.

**Citron Green Seeded.** An oblong, dull green variety about eighteen inches long. The flesh is green with green seeds and is used largely for stock feeding. A common plan is to split them open with an axe and feed them to cattle in the field. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 75c.

# ONIONS

**Culture.** The most common method of culture is to drill seed thick in the rows quite shallow and rows from 18 to 24 inches apart. After plants are as large as possible, thin out to about three to five inches according to the variety, transplanting those taken out to about the same distance, after cutting back the tops and roots. Or they can be grown thick in beds and transplanted to rows. Can be grown any time of the year, and really there is no excuse why fresh onions cannot be had every day in the year. For early onions in the Spring, plant sets during the Fall, which mature much more quickly than from seed. Beware of cheap quotations on this seed as much inferior stock with poor germination is offered, some many years old. Our stock is fresh and of very highest quality and germination.



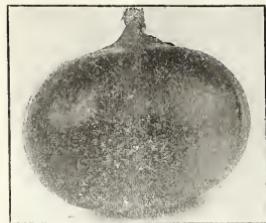
**Southport White Globe**

**Australian Brown.** Of small size but the greatest keeper yet introduced. If planted on a good soil and properly cared for, this crop will bring more money than any other variety. Pkt. 5c; oz. 25c; 1/4 lb. 75c; lb. \$2.50.

**Yellow Bermuda.** While this is called white, it is really a straw color. Pkt. 5c; oz. 35c; lb. \$3.50.



**White Bunching Onion**



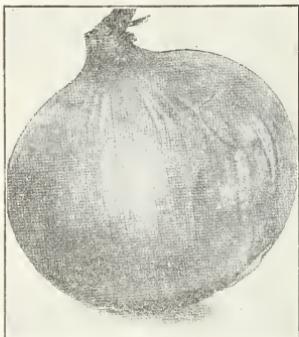
**Australian Brown Onion**

**Red Bermuda.** A very early variety of dutch red flat. Very productive. Pkt. 5c; oz. 35c; lb. \$3.50.

**Crystal Wax.** White Bermuda. A very large silver skin variety; very productive and is grown in great quantities. Pkt. 10c; oz. 50c; 1/4 lb. \$1.50; lb. \$5.00.

**Early White Queen.** One of the early Spring varieties; medium size and very mild in flavor. Pkt. 5c; oz. 40c; 1/4 lb. \$1.50; lb. \$4.00.

**Large Red Wethersfield.** Large size; of deep red. An old standard variety. Pkt. 5c; oz. 25c; 1/4 lb. 85c; lb. \$2.50.



**Yellow Danver Onion**

**Mammoth Silver King.** A large variety of the "silver skin" kind. Very mild and a fine table variety; good keeper and matures quickly. Pkt. 5c; oz. 50c; 1/4 lb. \$1.50; lb. \$5.00.

**Southport White Globe.** A pure white globe shaped variety. Forms handsome hard onions with wax-like pearl-white flesh. The best keeping white onion. Is used a great deal for green onions owing to the clear white stem. Pkt. 5c; oz. 35c; 1/4 lb. \$1.20; lb. \$3.50.

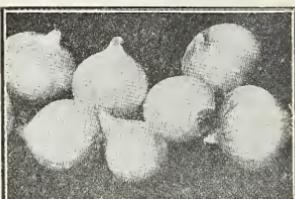
**Prizetaker.** A beautiful variety of large size; rich yellow color. Pkt. 5c; oz. 25c; lb. \$2.50.

**White Prizetaker on Silverskin.** The best known and most largely used white onion. Is flat on the bottom and thick toward the top. Very hard and firm and an excellent keeper. Is largely used for white onion soup as well as for market onions and pickles. Pkt. 5c; oz. 35c; 1/4 lb. \$1.20; lb. \$3.50.

**Yellow Globe Danvers.** We have had great success with an early variety. Yellow Globe Danver Onion which is absolutely the best grown in California today. Pkt. 5c; oz. 25c; 1/4 lb. 80c; lb. \$2.50.

**White Bunching.** This is an onion with a large neck especially used for young green onions, mild and sweet. Pkt. 5c; oz. 35c; lb. \$3.50.

## ONION SETS



**Onion Sets**

Plant near the surface, in rows 12 inches apart and 4 inches between the sets. When raised from sets, the onions can be used as the green stalks may be ripened off the large onions, in which case they are fully six weeks earlier than when raised from seed. Prices are subject to market fluctuations as the season advances.

**Onion Sets.** Can be furnished nearly the year round. Yellows and browns from Sept. to June at 35c per lb., postpaid. Silverskin sets from Aug. 1st to March at 40c per lb., postpaid.

**Bermuda sets.** Yellow and Crystal Wax can be supplied from July 15 to Oct. 25c per lb. postpaid. By express or freight 25c per lb. Special prices on large quantities.

## MULTIPLIERS

**White and Brown.** Produce a large cluster of small to medium sized onions from a single bulb. Lb. 35c.

## GARLIC

**Culture.** Garlic is grown from the clove or cell of matured bulbs. Planting should begin during October in well prepared soil and may continue till the first of April, but the earlier set garlic gives better yield. Keep in growing condition by irrigating when necessary and cultivating and weeding. Harvest when the tops turn yellow. One pound will plant 150 feet of row, 200 lbs. per acre.

Lb. 60c, postpaid. Larger quantities are furnished at prevailing market prices. Please write for quotations.

## PARSNIPS

**Culture.** Work your soil well to depth of 12 to 15 inches. Sow from September to October. Sow from Sept. 15 to October to covering. Make 15 to 18 inches apart, following 1/2 to 1 inch deep. When well up, thin out to 5 or 6 inches in the row. The seed is slow to germinate, hence should be sown in soil that holds moisture well. One ounce to 200 feet of row. Five pounds to an acre.

**Garlic.** This parsnip is the most popular with our market gardeners. It is scarcely more than half as long as the Hollow Crown, but is often three inches in diameter. Pkt. 5c; oz. 15c; 1/4 lb. 50c; lb. \$1.50.

**Hollow Crown.** The most popular and best variety for all purposes. Skin smooth and white, and flesh tender, while the root grows eighteen to twenty-four inches long. The white part of it is contained in the first eight inches from the top. It is particularly fine, smooth and regular. Pkt. 5c; oz. 15c; 1/4 lb. 50c; lb. \$1.50.

## PARSLEY

Sow the seed in moist loamy soil. Thin the plants to six inches apart in row or transplant to that distance. One ounce will produce about 600 plants.

Best results can be obtained by sowing parsley seed after December 1st and up to June 1st. When planted during Summer and Fall, it is liable to run to seed quickly.

**Champion Moss Curled.** Extra dark leaves. Leaves crimped and curled. Pkt. 5c; oz. 15c; lb. \$1.50.

**Emerald or Dwarf Extra Curled.** Leaves tender, beautifully crimped; handsome, bright green in color; very ornamental. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; lb. \$1.50.

**Hamburg, or Turnip Rooted.** A plain-leaved variety, forming a long, thick, edible root. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c.

**Plain or Single.** A very hardy variety, resembling a wild plant. The leaves are flat and not curled. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; lb. \$1.50.

## PEPPER

**Culture.** Pepper seed should be sown early in March, either in a warm hotbed or in a box of rich soil in a sunny window of a warm room. One-half fine, rotted manure and one-half garden soil will make a fine seed bed. Sow the seed thinly and cover lightly, press down the surface and keep moist with slightly warm water. When plants are an inch or more high plant them in small pots, using rich soil as above or transplant so as to stand three inches apart each way in the hot-bed. Give plenty of air on warm days and use tobacco dust to keep off insects. Plant in the open ground when frost is past, setting plants in rows three feet apart for large varieties and one foot apart in the row. Keep the soil loose and fine by frequent hoeings.

In frostless districts for winter Peppers start the seed in August, and set in the field in December and January.

**Anaheim Chili.** This is the pepper so well known locally. We have produced at extra cost a superior strain of this seed. It is greatly superior to the common Chili. Pkt. 5c;  $\frac{1}{4}$  oz. 15c; oz. 50c;  $\frac{1}{4}$  lb. \$1.60; lb. \$5.00.

**Cayenne.** A long slim pod, rather pointed, and when ripe a bright red color. Extremely strong and pungent. Pkt. 5c;  $\frac{1}{4}$  oz. 25c; oz. 40c.

## THE ROYAL KING

We are offering for the first time in Southern California this pepper which has attracted the attention of most of the Market Gardeners of the Southeast. **Royal King Pepper** is a selection of the Ruby King with improvements. The



New Royal King Pepper

plant and fruiting row true to type. The plants are upright and yield a heavy crop of bright, glossy smooth fruits, well distributed. The fruits are held well up off the ground because of the vigorous upright growth of the plant.

**Royal King Pepper** commences bearing early and continues until frost. The size is just right for shipping and very smooth. The flavor is mild and sweet.

This new pepper is so far superior to the Ruby King that it will supplant it altogether in a few years.

Pkt. 10c; oz. 80c;  $\frac{1}{4}$  lb. \$2.60; lb. \$8.00.

**"Chinese Giant."** This is the largest pepper in existence. The plants are strong and vigorous in growth, but of stocky habit, seldom more than two feet in height. The monstrous fruits are of thick, blocky form and of the most brilliant green color. They average four inches in breadth at the top and of equal length, divided into four or more large ridges, and when ripe are indented at the blossom end. The flesh is unusually thick and extremely mild and sweet. It is popular and makes an excellent salad spear and served like tomatoes. Pkt. 10c;  $\frac{1}{4}$  oz. 25c; oz. 80c;  $\frac{1}{4}$  lb. \$2.85; lb. \$8.00.

**Large Bell or Bell Nose.** A very large sort of inverted bell shape. Flesh thick, hard and less pungent than most other sorts. Most popular size for stuffing. Pkt. \$6.00;  $\frac{1}{4}$  lb. \$2.00; oz. 60c;  $\frac{1}{4}$  oz. 20c; pkt. 5c.

**Plumette.** The great canning pepper. A top-shaped pepper with very thick meat; sweet and mild; can be used either green or ripe. Pkt. 10c; oz. 80c; per lb. \$6.00.

**Mexican Chili.** The old well known variety. Very hot. Pkt. 5c; oz. 40c; lb. \$4.00.

**Ruby King (True).** A great Bell pepper of deep shiny red color the fruit looking as though it might have been varnished. Pkt. 10c; oz. 80c;  $\frac{1}{4}$  lb. \$2.50; lb. \$8.00.

## RHUBARB or Pie Plant

**Culture.** Sow the seed early in the spring in drills one foot apart, thinning out the young plants to four inches. The following spring transplant into deep, rich soil, from three to four feet apart. For immediate use, order the roots, which come into use at once. One ounce of seed will make 200 plants.

**Burbank's Winter Crimson.** This is more hardy than the other varieties and is therefore desirable for a winter rhubarb, as it will thrive all winter in this climate. The seed is very scarce. Per pkt. 5c; oz. 75c;  $\frac{1}{4}$  lb. \$2.00; lb. \$7.50.

**GIANT Winter Crimson.** An improved, much larger and therefore a much heavier producer than the Burbank. This variety comes true from seed. Pkt. 10c; oz. \$1.20;  $\frac{1}{4}$  lb. \$4.00.

## RHUBARB ROOTS

**Giant Crimson Winter.** Each 15c; doz. \$1.50, postpaid. Ask for special price on large quantity.

## OKRA

**Culture.** Soak the seeds over night in warm water and plant in warm, moist loamy soil. Do not wet the bed again until the plants are up. Keep well cultivated. One ounce will plant 100 hills. Four pounds to one acre. Give each plant twenty-four inches each way.



White Velvet Okra

**White Velvet.** This distinct and beautiful new Okra was originated in Georgia. The pods are very large, perfectly smooth, never prickly, round; not rigid or square as in other okras. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 75c.

**Dwarf Green Prolific, or Density.** A distinct variety growing about 14 inches in height; very productive; of fine smooth pods. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  oz. 25c; lb. 75c.



Our Select Chinese Giant Pepper

# PEAS

Prices herewith quoted are prepaid to your address.

## Write for Quantity Prices

**Culture.** May be sown in California the year round. Sow in rows from 2½ to 3 feet apart, according to the variety. 50 to 60 pounds to the acre. Sulphur just as they begin to bloom, the first week of June, or 10 days, will prevent mildew and also keep aphids away. Spray with Black Leaf 40 to control aphids. Treat the seed before planting with Nitrogen gathering bacteria; it greatly improves their growth.

**Marrowfat.** A very early, tall variety, with smooth, small peas of good quality and short, well-filled pods. Its fruit ripens practically all at one time and is very popular with dealers, who always desire to make but one cutting. Pkt. 10c; lb. 30c postpaid.

**American Wonder.** The earliest of all wrinkled peas. Of dwarf habit, growing from 9 to 12 inches. Pkt. 7½c; lb. 50c; 10 lbs. \$4.50.

**Gradsor or Prosperity.** This is the earliest large podded pea in cultivation. The peas are of the most delicious flavor. Pkt. 10c; lb. 50c; larger. Pkt. 10c; lb. 50c, postpaid.

**Nott's Excelsior.** Although a few days later than the American Wonder, the pods will average fully one-third larger. Pkt. 7½c; lb. 40c, postpaid.

**Admiral or Senator.** A comparatively new pea to Southern California. Medium growth, branches heavily and abundant producer. The pods are decidedly curved. The peas are the sweetest of any variety grown here.

A good shipper and very popular with the growers and dealers. Pkt. 10c; lb. 50c; 10 lbs. \$4.50.

**Stratagem.** A semi-dwarf variety with large leaves and large pods. The peas are dark green, wrinkled, and of good quality. Of all the strains we have and all of them we have tried, we do not know of another variety so well adapted to most sections of our coast as Stratagem. The strain we offer is selected and every imperfect plant carefully rogued out, and we believe we have the very best strain that can be had anywhere. Pkt. 10c; lb. 45c, postpaid; 10 lbs. \$4.00.



Yorkshire Hero Pea

**Telephone.** A fine, tall variety, immensely productive. Pkt. 10c; lb. 50c; 10 lbs. \$4.75.

**Laxtonian.** A very large podded pea of low growing habits. The vine makes a growth of a foot or less. The pods carrying three and four large peas are born thickly on the plant. Laxtonian will produce peas within seven weeks of planting. The Laxtonian has been offered only for a couple of years, but is already given a prominent place by the more progressive seedsmen. Pkt. 10c; lb. 50c; 10 lbs. \$4.50.

**Yorkshire Hero.** The most popular market pea in this section. Abundant cropper and excellent in quality. Pkt. 10c; lb. 50c; 10 lbs. \$4.30.

**Dwarf Gray or Sugar.** (Edible pods). Of extraordinary yielding qualities. Unsurpassed as an edible podded variety. Height 2 feet. Pkt. 10c; lb. 45c, postpaid.



American Wonder Pea

**Dwarf Telephone.** This with the Stratagem are becoming our leading peas in Southern California. Dwarf Telephone bears large, green pods, very similar to the tall Telephone on plants 18 to 20 inches high. Pkt. 10c; lb. 55c, postpaid. Short crop; only limited quantities sold.

## ROSELLE

This plant belongs to the Hibiscus family and is an annual of great value for making an acid drink and also jellies, jams and marmalades, being a good substitute for currants and cranberries. The plant grows four to five feet high and produces bunches of many stalks. The plant growing is very ornamental and has a very pretty cream-colored flower like a small hollyhock flower, which develops into the red pod that is used for jellies. The red pods were not ready to harvest till late September and October but by selection we have delayed them so as to mature early in August from seed planted in April.

**Culture.** The seed should be planted as soon as the ground is warm and should be planted in hills four feet apart and the rows about six feet apart. Cultivate the same as okra. There is an early and a late variety, and we offer only the early variety as this is soon to make a crop before killed down by the frost in the fall. It is easily grown from seed and grows very rapidly during the warm weather. One plant will generally yield several pounds of fruit, depending on variety.

For making jelly the pods should be picked before they become hard or woody. Boil them until soft and strain through a cloth. Add ½ pint of sugar and the juice of ½ a lemon to each pint of juice. Boil again until it gels. Pkt. 10c; oz. 60c; ½ lb. \$2.00.

# PEANUTS

**Culture.** Peanuts require a light, sandy, rich soil. Prepare your ground by sowing or plowing to a depth of ten inches and pulverize with the harrow early in the spring; then thoroughly cultivate after each rain to kill weeds and make a mulch to hold the moisture until planting time. It is better to till the ground for the first time, being careful not to break the skin around the nut; although they may be planted unshelled. Planting should begin April 1st and may continue for two months. Drop the seed two inches deep in moist soil. In the hills, hills fifteen inches apart in rows three feet apart. The young plant should be up enough to distinguish the rows in three weeks, when cultivation should begin. The first rains will dry out the rows and irrigate. Cultivate and hoe to keep the weeds down. Keep in growing condition until frost nips the foliage, after which pull and lay the roots, with the nuts on, to the air for a few days to thoroughly dry. When dry, the nuts are pulled off the vines and sacked. The tops may be used for stock feed. It requires 14 pounds of shelled or 30 pounds of unshelled peanuts to seed an acre.

**Georgia.** This is the best commercial variety and the one almost exclusively used for roasting. Per lb. 40.

Write for prices on large quantities.

**Spanish.** The small peanut used in confections and for salting. These are shelled. Per lb. 50c. Ask for prices on large quantities.

## POTATOES

Have your ground worked up at least ten inches deep and thoroughly pulverized. Cut the tubers to a size of a walnut or an egg, seeing that each piece has at least one good live eye on it. Make furrows four inches deep and three feet apart; in these drop the cut seed two pieces to a foot or fifteen inches. Fill in the furrow and the young plants will be growing above the ground in three to five weeks. As soon as you can see the rows, commence cultivating to keep weeds down, and if necessary, furrow out for irrigation, which will be required at least three times for the small crop and twice for the fall crop if there are no early rains. Hoe after each cultivation to kill the weeds between the plants.

Treat all seed potatoes with formaldehyde solution for scab and rhizoceros. Spray with Bordeaux Mixture for blight. If the leaves are attacked by beetles of any kind use Paris green in the spray.

For extra early spring potatoes plant English Rose or American Wonder from November 15th to December 15th. For medium early crop plant from January 10th on, using Triumph or Six Weeks, Early Rose and American Wonder, and for main spring, use English Rose and Burbank, planting from March 1st to 30th. After this until the first of August, small patches may be put in with varied success. Success 1st to 15th, the main fall or winter crop is put in. White Rose and Burbank being mostly used. We do not recommend planting potatoes after September 1st.

**Prices of Potatoes on application.** State the quantities and varieties wanted.

**Early White Rose.** The best potato for Southern California. Does well in any soil at any season. We recommend this variety for main crop plantings.

**Bliss' Triumph or 6-Weeks** is the earliest potato grown here. It is round with red skin, not very prolific, but excellent quality.

**American Wonder.** A medium early and growing earlier when grown on good rich ground.

**Burbank.** Very popular as a late potato. A long white variety which does well on rich soil.



Large Cheese Pumpkin, a Very Prolific Variety

## PUMPKINS

**Culture.** Plant five to seven seed in hills 8 to 10 feet apart each way. Pumpkins are often used as a second crop. They need considerable of moisture to bear a heavy crop, so when your ground is in good condition when the seed are put in, June is the best month for planting Pumpkins, but any time from April 15th to July 15th will give good results. If the soil is not particularly dry, arrange your ground so that it can be irrigated when needed. Keep the land well cultivated and the weeds out. One and a half pounds of seed will plant an acre.

**Cashaw or Crookneck.** Productive, color light cream. A good keeper; fine for pie, sweet in flavor. Per oz. 15c; lb. \$1.50.

**Large Cheese.** Size very large, hardy and productive. Of fine grain and excellent flavor. Oz. 10c; lb. 75c.

**Mammoth Tours.** Its prolific propensity makes it a favorite wherever it is introduced. Do not fail to try it. Oz. 15c; 1/4 lb. 50c; lb. \$1.50.

**Yankee Field or Jack O'Lantern.** This valuable pumpkin will be found a great boon to farmers with dairies

large or small. It is a most excellent keeper and will be sure wealth to all who know and feed it liberally. Oz. 10c; lb. 85c.

**Sugar or Boston Poe.** A small, handsome variety, and very popular. The skin is a deep orange yellow; flesh fine grained and sweet in taste. Famous in Boston as a pie pumpkin. Per oz. 10c; lb. \$1.00.

**California Mammoth.** An enormous pumpkin commonly attaining 150 lbs. each. Heavy yielders. Oz. 10c; lb. 75c.

## RADISHES

Being a root crop, good brittle radishes require light, well-worked soil, for they will not develop well if the soil is too heavy and melts quickly. If permitted to grow slowly, they become tough and pithy. They are easy to grow and frequent plantings will insure a constant supply for the table. Use 1 oz. for 100 feet of row, 10 oz. to acre, and thin the very young plants somewhat to prevent crowding. Plant the year round in California.

**California Mammoth White Winter.** The well known and popular winter variety. Clear white about 6 inches long and 1 1/2 inches in diameter. Keeps firm and crisp until it runs to seed; is a good cooking variety and when cooked the flavor resembles turnip. Pkt. 5c; oz. 15c; 1/4 lb. 55c; lb. \$1.75

**"Crimson Giant" or Wurzburg Forecing.** This new radish is an entirely new type, and differs radically from all the varieties hitherto in cultivation. In so far as its roots attain more than double the size of those of other forcing varieties, without getting pithy or hollow. Pkt. 5c; oz. 15c; 1/4 lb. 50c; lb. \$1.50.

**Chinese Rosy Winter.** A delicious radish, crisp, with little tendency to become pithy. A beautiful coloring from bright red at the top to almost pure white at the tip. Pkt. 5c; oz. 15c; 1/4 lb. 50c; lb. \$1.50.

**Black Spanish Winter, Long.** Grows to large size, of oblong shape, quite solid. Pkt. 5c; oz. 15c; 1/4 lb. 50c; lb. \$1.50.

**Round Black Spanish.** Skin black, flesh white, of firm texture. Pkt. 7 1/2c; oz. 15c; 1/4 lb. 50c; lb. \$1.50.

**Early Long Scarlet Short Top.** Roots long, pinkish color; flesh white and crisp. Pkt. 5c; oz. 15c; lb. \$1.50.

**Early Scarlet Turnip (Selected Stock).** The finest strain of this most popular variety, the handsomely colored roots are most attractive in appearance; they are ready in about 25 days, crisp, brittle and of choicest quality. Pkt. 5c; oz. 15c; 1/4 lb. 50c; lb. \$1.50.

**Scarlet Turnip, White Tip.** The earliest of all the radishes. Bright scarlet color with white circle just above and including the slender tap root. Very sweet and crisp. Pkt. 5c; oz. 15c; 1/4 lb. 50c; lb. \$1.50.

**Improved Early Scarlet Globe.** A desirable sort for hot-bed forcing and outdoors, very early, mild and crisp

juicy and tender; top small, with stand heat without becoming pithy. One of the best selling and most attractive radishes on account of its bright scarlet color and handsome shape, is ready in 28 days. Our stock of this is the very best selected with special care as to size, shape, color and edibility, and market gardeners will find it a money maker as it is right in every respect. Price, Pkt. 5c; oz. 15c; 1/4 lb. 50c; lb. \$1.75.

**French Breakfast.** A fine early variety, olive-shaped; scarlet body with white tip. Pkt. 5c; oz. 15c; 1/4 lb. 50c; lb. \$1.50.

**Japanese Mikado Radish.** A fine variety for late summer planting. "The sweetest radish I ever ate." Long white and very crisp. Pkt. 5c; oz. 15c; lb. \$1.50.

**Japanese Long Summer.** Similar to the Mikado Radish but smaller and grows entirely in the ground with the leaves spreading but flat. Pkt. 5c; oz. 15c; 1/4 lb. 50c; lb. \$2.00.

**Long White Belts.** In form of long, pure white and very crisp. Very quick in growth and of delicious flavor. Pkt. 5c; oz. 15c; lb. \$1.75.

## HORSE RADISH—See Page 25

## SALSIFY-Vegetable Oyster

**Culture.** Sow the seed early in the Spring in drills one foot apart and one inch deep, thinning out plants to 4 inches. It succeeds best in well enriched soil. One ounce of seed for 50 feet of drill. Ten pounds to the acre.

**Mammoth Sandwich Island.** A larger and superior variety, mild and deliciously flavored. Pkt. 5c; oz. 30c; lb. 90c; lb. \$2.75.

## SPINACH

**Culture.** Sow in drills one foot apart, and for succession, every two weeks, as it grows thin out for use, keeping clean of weeds. It grows the year round in California. One ounce of seed for 50 feet of drill. Ten pounds to the acre.

**Amsterdam Giant.** An excellent new variety with unusually large leaves the Prickly type but finer. The best we have seen in Spinach yet. Pkt. 5c; oz. 10c; 1/4 lb. 35c; lb. 90c.

**Long Standing.** A good sort for the market garden, as it is much slower in going to seed than the other varieties. Pkt. 5c; oz. 10c; lb. 75c.

**New Zealand Perennial Spinach.** can be grown the year round. Why don't you try some of this? It produces spinach summer and winter. Pkt. 5c; oz. 20c; lb. \$2.00.

**Round Scarlet Japan.** The hardest of all, and the most popular with the market gardeners. Pkt. 5c; oz. 10c; lb. 60c.

**Summer Success.** This variety has been introduced both in this country and in Europe, and has been found especially adapted to summer growth and particularly well suited to conditions in the southwest. The leaves are smooth with fine, deep green color. Pkt. 5c; oz. 10c; 1/4 lb. 25c; lb. 75c.



Mikado Radish.

## SQUASH

**Culture.** Plant 5 to 7 seeds in each hill. Have the ground well worked and get the seed into the damp soil. Bush varieties have the hills 4 feet apart and running varieties hills 8 feet apart each way. One oz. of seed to 50 hills, 1lb to 2 lbs. to an acre. Plant seeds after danger from frost is over.

Spray with Black Leaf 40 for aphids.

**Boston Marrow.** Bright orange color; flesh pale, very sweet. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 35c; lb. \$1.00.

**Cocozelle Bush Squash.** Is one of our earliest squashes and will continue through the season, if the fruit are picked as soon as ready. The Cocozelle is a long squash of excellent flavor. It is a keeper when green either as other squash or fried like egg plant. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.50.

**Perfect Gem or Cream.** Long-keeping, winter squash, 4 to 6 inches in diameter; apple shaped; distinctly ribbed with deep, well-creased skin. It is solid and rather hard, but bakes to a delicious soft consistency on the inside. Although a small variety, it is a great keeper and is used mostly in the winter. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.25.

**English Vegetable Marrow.** The best of all the marrow; excellent flavor either green or ripe. When ripe it is about 10 inches long and 5 inches in diameter. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.25.

**Burpee's Fordhook Squash.** A very fine variety, upright, growing vine and very productive. Fruits oval in form; about 10 inches long, good for baking when mature, or cook young like summer squash. As sweet as sweet potatoes. Pkt. 5c; oz. 15c; lb. \$1.50.

**Golden Bush Scallop.** Similar to the Bush Scallop, a golden yellow color. Oz. 15c; lb. \$1.25.

**Golden Hubbard.** Same as common Hubbard except being of golden colored shell. Very sweet, clear of fibre and fine for baking. Pkt. 5c; oz. 20c; lb. \$2.00.

**Golden Summer Crookneck.** A well known popular crookneck. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.50.

**Hubbard.** One of the finest varieties, fine grain, of excellent flavor and cooks dry. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; lb. \$2.00.

**White Bush Scallop.** A well known summer squash, very productive, pure white. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.25.

**Mammoth White Scallop.** An improved large variety of the above. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.25.

**Pikes Peak or Sibley.** Is a vineing squash of excellent quality. Very sweet and fine grained. A good keeper. Pkt. 7 $\frac{1}{2}$  c; oz. 15c; lb. \$1.25.

Use our coupon order sheet. It gives you \$1.25 worth of seed for \$1.00.

## TOBACCO

Tobacco can be grown in California to good profit—as shown by experts of the American Tobacco Co. We have secured some choice seed of several varieties, including "California" or "Separate Tobacco," which has paid as high as \$1000 per acre to the grower. This tobacco sells at \$1.00 to \$3.00 per lb.—according to grade. California is said to produce even a better grade than can be produced anywhere on the continent. Seed should be sown in early spring in beds, covering very lightly and transplant to rows. Plant 18 inches in rows and rows three feet or more apart. From seed planted in April, crop can be harvested in August. 1 oz. for 5000 plants.

**Samsom.** Per pkt. 10c; oz. \$1.

**Connecticut Seed Leaf.** Pkt. 10c.

**Havana or Cuban.** Per pkt. 10c; oz. \$1.



The Gardener's Favorite Tomato—New Stone

## TOMATOES

**Culture.** Sow in hot beds from six to eight weeks before they can be set out doors, which is when danger from frost is passed. When plants have four leaves transplant into shallow boxes, or cold frames. Transplant carefully and cultivate well as long as the vines will permit.

**Red Rock (New).** Same shape as the Stone, but darker color and firmer. Stands handling and shipping better than any tomato we have had experience with. Excellent for canning or slicing. Pkt. 5c; oz. 45c;  $\frac{1}{4}$  lb. \$1.40; lb. \$4.50.

**Livingston's Coreless.** This is a distinctly new globe shaped variety, and is one of Livingston's latest and best varieties of Tomatoes. It is a fine large tomato of full globe shape, some longer than round, ripening completely without any green or hard core. Pkt. 5c; oz. 45c;  $\frac{1}{4}$  lb. \$1.60; lb. \$5.00.

**Chalks Early Jewel.** An excellent variety, starting to bear early and continuing to bear throughout the summer. The fruit is of good size, smooth, uniform and ripens all over. The fruits are bright scarlet, with fine flavor and quality. Pkt. 5c; oz. 40c;  $\frac{1}{4}$  lb. \$1.20; lb. \$4.00.

**Dwarf Champion Tomato.** Vine upright, with dense foliage. Fruit pink, smooth and solid, ripening in mid-summer. Pkt. 5c; oz. 35c;  $\frac{1}{4}$  lb. \$1.15; lb. \$3.50.

**Dwarf Stone Tomato.** A dwarf sturdy plant like the Dwarf Champion, but habit of stronger growth. The fruits are large and resemble the original Stone. The shape is perfect, with good skin, very solid flesh and of excellent flavor. The plants are very stocky and do not spread much. Pkt. 5c; oz. 40c;  $\frac{1}{4}$  lb. \$1.25.

**Earllana.** Has gained the reputation of being one of the best first early tomatoes. Plants are quite hardy, and fruit will set even during the cool weather. Perfectly smooth and solid with solid center. Pkt. 5c; oz. 40c;  $\frac{1}{4}$  lb. \$1.30; lb. \$4.00.

**New Stone.** One of the general crop varieties, and a favorite with the canners. A good all around variety, early and productive. Pkt. 5c; oz. 40c;  $\frac{1}{4}$  lb. \$1.25; lb. \$4.00.

**Ponderosa (Beefsteak).** A very large variety well known; of fine flavor. Pkt. 5c;  $\frac{1}{4}$  lb. 15c; oz. 55c; lb. \$5.50.

**First Early.** This was developed from an early tomato found in a patch of Stones from which variety it takes most of its characteristics as to size and quality, but is very early, even ripening before Earllana. Our First Early has become very popular both around Los Angeles and in the Imperial Valley. Pkt. 5c;  $\frac{1}{4}$  oz. 15c; oz. 50c;  $\frac{1}{4}$  lb. \$1.65; lb. \$5.00.

**Peach Tomato.** Deep rose in color, the shape of the fruit and the appearance of the skin is very similar to that of a peach. It has every delightful flavor. Per pkt. 10c.

**San Jose Canner.** Has been grown with great success throughout Central California and in the San Joaquin Valley and is proving very profitable to the growers. San Jose Canner is a large tomato often weighing one and a half to two pounds each and producing 25 tons and more per acre. The best tomato for canning. Pkt. 5c; oz. 50c;  $\frac{1}{4}$  lb. \$1.60; lb. \$5.00.

**John Baer.** A grand new tomato. Nearly globe in shape, deep bright scarlet colored. The meat is very solid, of fine texture. John Baer ripens early and is the heaviest yielder of all the early tomatoes. It is a favorite with the canners—in fact, it is an all purpose tomato of excellent qualities. Pkt. 5c; oz. 50c; lb. \$5.00.

## TURNIPS

**Culture.** Plant for succession from September to April in drills 14 inches apart and thin out plants to six inches. Turnips thrive best in a highly enriched sandy or light loamy soil. One ounce to 150 feet of drill; 4 lbs. to acre.

**Early Purple Top Strap-Leaf.** The most popular variety in this section for family use. Large size, white, purple above ground; flesh, fine grain. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.25.

**Early White Flat Dutch.** An early white flesh, strap-leaf variety, of quick growth, mid-flavor, and excellent qualities, with firm sweet flesh. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.25.

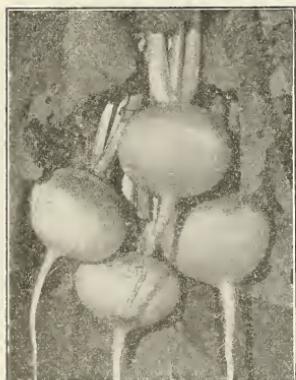
**Golden Ball or Orange Jelly.** Rapid grower of excellent flavor. Bright yellow color. Plant during cooler months only. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.25.

**Purple Top White Globe.** Very solid and sweet. The best variety for summer plantings, having large leaves and is very slow to get pithy. Recommended for plantings during May, June, July and August. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.25.

**Snowball.** The most popular turnip on the market. It has the best shipping qualities, firmness and good appearance as well as being of excellent flavor and texture. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.25.

**Improved Purple Top Ruta Baga.** The best of the Swede turnips; very hardy and productive; flesh yellow. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.25.

**Turnip—Purple Top White Globe**



Turnip—Purple Top White Globe

## PLANT DISEASES

**Tomato, Blight and Melon Blight.** For blight and rot, spray early and at intervals with Bordeaux Mixture. Quart can 50c.

**Potato Scab.** This wide spread disease affecting potatoes is due to the attacks of a parasitic fungus, which causes the skin to become rough and scabby. This disease can be successfully combated by treating the growing stock with formaldehyde 8 fluid ounces (1 pint) of this antiseptic is to be used in 40 gallons of water, which is sufficient to treat about 100 lbs. of seed. The seed potatoes should be cleaned from dirt, washed if necessary, then soak potatoes for 1½ hours in the diluted solution, after which they should be dried out and planted in the usual way, care being taken that seed potatoes are not put in contaminated sacks or other receptacles. Formaldehyde, 50c pint. Sent by express only.

## HERBS

**Herb Seeds. (Sweet, Pot and Medicinal).** A few herbs should be grown in every garden, only a small space being necessary to grow sufficient for family use. Sow the seed in the spring, and harvest on a dry day just as plants come into full bloom. Tie them up in small bunches and when thoroughly dried wrap up in paper and place in an air-tight vessel, where they will keep until required. Each, per pint. 10c.

Anise, has useful medicinal properties.

Basil, Sweet, used for highly seasoned dishes.

Borage, should be grown by every bee-keeper.

Caraway, largely used for flavoring.

Dandelion, for medicinal purposes.

Dill, used to flavor Pickles, etc.

Fennel, very aromatic and fine for flavoring.

Horehound, fine tonic properties, valuable for cough remedies.

Hyssop, valuable for medicinal purposes; the dried flowers make Hyssop tea.

Lavender, highly esteemed aromatic herb, with a delightful fragrance.

Marjoram, Sweet, one of the most largely used herbs for seasoning.

Pennyroyal, well known and popular.

Peppermint.

Rosemary, an aromatic herb, sweet scented.

Savory, Summer, excellent for seasoning.

Savory, Winter, excellent for seasoning; for winter use.

Sage, the leaves and tender tops are largely used in stuffing and in sauces.

Sorrel, large leaves used like spinach. Pkt. 7½c; oz. 15c;  $\frac{1}{4}$  lb. 40c.

Thyme, for seasoning; the most popular of all herbs.

Wormwood, of great value for its medicinal properties.

**Plants of Herbs—**We can supply plants of many varieties of Herbs. See special list under Plants in back of Catalogue.

## HORSE RADISH

Add 3c per doz., for postage.

**Good Horse Radish.** Horse Radish is always in good demand and pays well. However, you must have the proper conditions, namely, a medium heavy soil and plenty of water. Sold only in roots. Doz. 15c. # roots \$1; large quantities on application.

**Miner's Kren Horse Radish.** This new variety of Horse Radish was first discovered by the United States Agricultural explorer, Mr. David Fairchild, in Bohemia, about ten years ago and sent to be tested in the soils of the United States. Test results planned for the following season and from them some of the finest specimens of Horse Radish were produced that were ever seen in the United States. It requires about 10,000 roots an acre, it sells mostly in any market at from 5 to 10 cents per pound to the pickling houses at about \$100 per ton. Doz. roots 25c. Per 100 roots \$1.50.

## Nitrogen Bacteria

### ENRICH YOUR FARM

Grow inoculated legume crops which make available plant food of greater value than they contain. Know alfalfa, clovers, alfalfa, vetch, pea, cow peas, soy beans, and other legume crops enrich the soil with nitrogen and organic matter—the two most necessary elements required to grow good crops. By growing these inoculated crops, sufficient nitrogen is placed in the soil for all crops.

### Legume Cover Crops.

Corn, cotton, potatoes, orchards and all cultivated crops are very hard on soils, but if some inoculated legume crops, such as crimson clover, or a mixture of winter vetch and rye or oats are sown between the rows at last cultivation and harvested for green manure, quantities of plant food are made available and soil fertility is maintained and often increased.

To secure the best yields and full fertilizing value always inoculate alfalfa, clovers, peas, beans, vetch, soy beans, cow peas, peanuts and all other legumes.

"The peculiar value of legumes for maintaining and increasing the fertility of the soil is due to certain bacteria which develop nodules upon the roots of leguminous plants and which have the unique power of rendering the free nitrogen of the atmosphere available for plant growth. While most other crops, like other grass, exhaust the soil of its combined nitrogen."—Ext. Farmers' Bulletin No. 315.

Inoculate all legumes just before planting and we recommend the

### FARMGORMER

Garden size 50c acre size \$2.00; 5 acre size \$9.00.

No. 1—Clovers.  
No. 2—Alfalfa and Mellotus Clover.  
No. 3—Vetch and Canadian Peas.  
No. 4—Soy Beans and Cow Peas.  
No. 5—Garden Peas, Beans Sweet Peas.

## MARKET GARDENERS

Your requirements in the way of seeds are somewhat different from those of the amateur or home gardener, in that you are growing for your own use and not for the market. Knowing this, we have made, for the past nine years, a special study of the local market conditions and feel that we are especially qualified to supply you with Best Green Seeds that will produce the results that you desire. No trouble or expense is spared to keep our stock right and our constantly increasing market garden trade is a good indication that we have been successful in this endeavor. Our experience is at your service and we shall always be glad to give you the benefit of it. If you are using seeds in large quantities, let us have a list of your needs and we will quote special market gardeners prices.

## GARDENING FOR PROFIT AND PLEASURE

As years go by the love of gardening always grows and the desire to grow for profit is just in the minds of those that have to make their living that way and to them gardening is commercial. But apart from this there is a desire and great pleasure in cultivating plants and especially growing them from seed, taking their many chances and learning of the best varieties. And perhaps most pleasure is derived by "Intensified Gardening," or "by making two blades of grass grow where only one grew"—to create something beautiful, to intensify Nature.

## VEGETABLE PLANTS

For List of Vegetable Plants see Pages 53 and 54.

Use our coupon order sheet. It gives you \$1.25 worth of seed for \$1.00.



We are convinced that most of the failures with flower seed are due to the lack of proper conditions; and while it would be impossible in the short space to give specific directions for each and every variety, there are certain rules that must be observed. While some of the more tender varieties require special care, many of the hardy varieties will grow under most any condition if seed is not planted too deeply, and the ground kept moist. As general directions, we will divide them into HARDY and TENDER species and apply the general rules governing each.

**Tender Kinds.** As a rule, are sown in open beds or boxes of well-worked soil (sandy loam preferred) and if soil is stiff clay or adobe, it is necessary to have a "sand or mulch" covering, and seed should be covered very lightly. A good way is to smooth the bed over with a board and then on this smooth surface scatter the seed, then if seed is coarse take a small board or brick and press the seed down even with the surface of the soil, and then carefully sift fine, sandy mulch soil over the

seed from one-eighth to one-half inch deep, according to the coarseness of the particular seed. Such as Delphinium, Stocks, Asters, etc., one-eighth inch, or Nasturtiums will stand covering of one inch. This bed must be kept moist to the surface, never allowed to dry, but should not be "soaked" too much, and one should avoid watering too late in the evening, or postpone it until morning, as the chilly night may cause trouble if bed is too wet. For ordinary kinds as Sweet Alyssum, Caliopsis, Calendula, Marigold, Marguerite, Centaurea, Poppy, Snapdragons, annuals, geraniums, Zinnias, Candytuft, etc., are generally planted where they are to grow, but good success will be had to transplant the above, except the Poppy, which succeeds best when sown broadcast (very thinly) over surface and then raked in, and thinned out to 6 to 12 inches when about 2 or 3 inches high. Centaureas are best drilled in rows where they are to grow. Sweet peas should be planted in drills and do not succeed if transplanted.

**Tender Kinds.** Such as Lobelias, As-

ters, Stocks, Pansy, Petunias, (Fancy kinds), Pinks, Phlox, Verbenas and all such varieties which, while hardy in Southern California, after once established, are now winter plants to be planted in well-prepared bed and treated as the hardy kinds in respect to depth of planting, but in addition a shading should be added and this is quite essential, as lath frames are not available, use burlap frames, and support these frames on stakes 4 to 12 inches from soil, or a good plan is to cut some branches with leaves on and lay over bed. This is quite as good as any other protection, but it should be taken note of, that it should be very dense. Best time to water all seed beds is in the morning, before the sun gets too high.

**Mulching.** For seed beds. To insure the best results from your seeds, a good protective mulch of dried rotten manure or leaf mold is almost necessary. If soil is stiff and heavy, this mulch is carefully sifted over the seed beds after seed is sown and helps to retain the moisture and keep surface from "baking."

## CULTURE AND LIST OF ASTERS THE ASTER

**Sowing the Seeds.** Sow in seed boxes or beds in light sandy soil, covering very lightly, not over one-eighth inch deep and shade with lath, boughs or cloth for two or three weeks and keep constantly moist but do not water late in the day. (See directions "Success With Flowers."

**Transplanting.** When the plants have made 4 to 6 leaves they should be pricked off the boxes or beds 2 inches apart and when good and strong can be bedded out where they are to bloom.

**Varieties.** Nothing is gained by trying to force the late varieties. If early flowers are desired, use the Dwarf Early Flowering varieties and in this way the blossoms will be cut off and prolonged from June 1st to November 1st. Using early varieties for early flowers and Giant Cone and Branching class for late, planted at intervals from January 1st, to May 20th, taking 4 to 6 months for the late flowering varieties to bloom from seed. Some florists grow two crops yearly, planted in August for late Winter flowers.

**Exhibition Flowers.** In order to give the finest flowers, the plants must have abundant plant food and moisture. Pulverized manure, ammonium sulphate, also nitrate of soda is a powerful stimulant but must be used with great care. One pound of the latter to the square rod, broadcast, is enough for one application and repeated at intervals of ten days gives fine results.

**Aster Beetle.** This beetle has caused some trouble and frequent dustings of fine ground tobacco is necessary to save the flowers and plants, also the Root Louse causes much trouble and a much of tobacco dust will destroy the root.

### NOVELTIES IN ASTERS

#### 1920 INTRODUCTION IN ASTERS

For Florists use and the home garden  
—for late blooming

#### AMERICAN BEAUTY CLASS

**Aster—American Beauty.** Shell pink. Identical in form to American Beauty but color is a very beautiful clear pink. Pkt. 10c;  $\frac{1}{2}$  oz. 50c.

**Aster—American Beauty Lavender.** Same as above, except that it is a clear lavender. Pkt. 25c;  $\frac{1}{2}$  oz. 50c.

**Improved Giant American Branching Type.** The aster without an equal in the curving petalated types—growing very tall, often 2½ to 3 ft., strong

upright branching habit. Flowers are extremely large and fully double, blooming very early and the blossoms coming in flower in July, will last in bloom till November. These have proven of the best keeping qualities and can be shipped without crushing, making it a valuable flower cut flower, as well as for the home garden. We feel proud to be able to again introduce new colors this year.

**American Beauty (Deep Rose Carmine).** We believe this to be the grandest aster of Red color ever introduced being very large and perfectly double, and when viewed by the eye, an improvement on our Carmine Pink from which it originated. A little lighter in color than American Beauty Rose and the most remarkable bloomer ever introduced. Coming in flower in July from seed in early Spring and lasting till November.

**Purple American Beauty.** Same type as our American Beauty, and in every respect a counterpart of it, except in color, which is a clear rich purple. A very remarkable tall class, having very long stems, often 2 feet tall. Pkg. 25c,  $\frac{1}{2}$  oz. 50c.

#### American Branching Asters

**Giant American Branching.** This type or class of Asters has become the most popular of all classes of asters for late cutting, but is the latest of all to bloom. The flowers are of very large size, borne on long stems, we can furnish in all the separate colors as follows—at 10c per pkt;  $\frac{1}{2}$  oz. 40c.

**Asters—Giant Branching.** White, Crimson, Violet, Blue, S. Pink, Elk's purple, Blue, Mixed. Any 3 pkts. 25c; 7 for 50c.

**Asters—Giant Comet "Shell Pink."** A new, greatly improved, Comet of a beautiful clear shell pink. Very double and covering the eye perfectly. Very similar to Crego Pink, but larger, more double and better color, no tendency to fading, a very robust grower and bloomer, flowers 2 to 3 inches in diameter, when well grown. Oz. \$1.50;  $\frac{1}{2}$  oz. 60c;  $\frac{1}{2}$  oz. 25c; pkt. 10c.

**Asters—New Upright Branching.** We consider this class one of the best for cut flowers, having the branching habit, but of strong upright growth, making very long stems, each crown-

ed with one to three fine large flowers or "Giant" branching type, which are very double and full the center. Very easily disbudded. Highly recommended as a commercial florist's flower. In the following colors. Each: Pkt. 10c;  $\frac{1}{2}$  oz. 20c;  $\frac{1}{2}$  oz. 35c; oz. \$1.25.

**Upright Branching.** White.

**Upright Branching.** Light Pink.

**Upright Branching.** Crimson.

**Upright Branching.** Rose.

**Upright Branching.** Purple.

#### MORRIS & SNOW'S NEW KING ASTERS

A magnificent class of Asters, distinct from all others in the character of the flower. The long, narrow petals are folded lengthwise, appearing almost as though quilled. The flowers are of great size, and subsisted in a long longer when cut than those of any other class. The plants are large and the stems exceptionally long and strong.

**Asters Violet King.** Pkt. 10c;  $\frac{1}{2}$  oz. 40c. **Asters Rose King.** Pkt. 10c;  $\frac{1}{2}$  oz. 40c. **Asters Pink King.** Pkt. 10c;  $\frac{1}{2}$  oz. 40c. **Aster Lavender King.** Pkt. 10c;  $\frac{1}{2}$  oz. 40c.

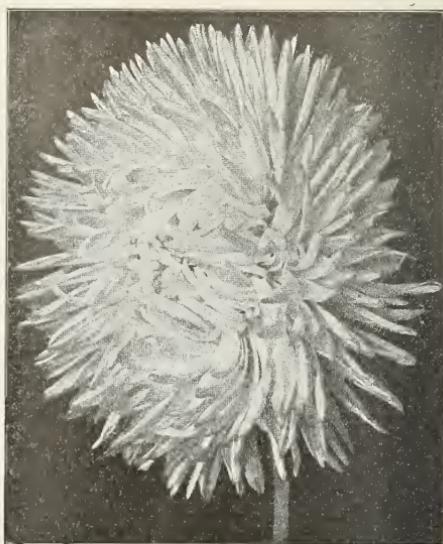
**Asters White King.** Pkt. 10c;  $\frac{1}{2}$  oz. 40c. **Asters King's Mixture.** Pkt. 10c;  $\frac{1}{2}$  oz. 40c.



Our New Aster, "American Beauty"



New Aster—Purple American Beauty



New Giant Aster—(King Type)

**CREGO ASTERS**

We might term this class as the Japanese Chrysanthemum Aster, from its appearance. The flowers are very large, recurved, curled and twisted, making it an especial artistic variety.  
*Aster Crego White.* Pkt. 10c;  $\frac{1}{4}$  oz. 40c.  
*Aster Crego Pink.* Pkt. 10c;  $\frac{1}{4}$  oz. 40c.  
*Aster Crego Lavender.* Pkt. 10c;  $\frac{1}{4}$  oz. 40c.

**VICTORIA ASTERS**

This is an old class, but the varieties we offer here are all new strains, and highly improved, very double, and are among the earliest blooming class, of an upright growth, and colors are of

the clearest shades, highly recommended for bedding. They stand bad weather better than the branching varieties.  
 Each 10c pkt., 3 for 25c;  $\frac{1}{4}$  oz. 35c; oz. \$1.00.

*Victoria Aster.* Clear Rose.  
*Victoria Aster.* Daybreak Pink.  
*Victoria Aster.* Lavender.  
*Victoria Aster.* White.  
*Victoria Aster.* Bright Crimson.  
*Victoria Aster.* Mixed.

**NEW ASTERS**

**Aster—New Peerless Pink.** (Am. Br. Type), a very large flower of a clear light shade of soft pink; flowers are incurved type, and borne on long stems. Pkt. 10c;  $\frac{1}{4}$  oz. 50c.

**Aster—Sensation.** A deep clear beautiful blood red (of Am. Branching Type). Very large flower and long period of bloom. Pkt. 10c;  $\frac{1}{4}$  oz. 50c.

**GENERAL ASSORTMENT OF ASTERS****NEW ASTERS—ASTERMUMS—COMETS**

This class is merely a renaming of the well known Comet Type, and we list by tests correspond to them exactly, and will list all the desirable shades as Comets, and all are well worth growing.

**Asters—Rochester.** Pink. (Comet type), a very large pink with a lavender shading—very fine for cuttings. Pkt. 10c.

**Aster—Pink Enchantress.** Of Giant Branching type, extremely beautiful pink; large flowers; and one of the finest asters grown. Pkt. 10c;  $\frac{1}{4}$  oz. 50c.

**Asters—Ostrich Feather Mixed.** This is a curled class and very desirable for bedding and cutting. Pkt. 10c;  $\frac{1}{4}$  oz. 50c.

**Aster—Tall Crown Mixed.** This is a beautiful class of asters for bedding and cutting. The two colored flow-

ers are very attractive. Pkt. 10c;  $\frac{1}{4}$  oz. 40c.

**Asters—Peony Perfection Blood Red.** This is to our notion the grandest bedder in existence, growing about 16 to 18 inches of upright bouquet form, and color is most charming. Pkt. 10c;  $\frac{1}{4}$  oz. 50c.

**Asters—Peony Perfection Rose.** Same as above except in color. Pkt. 10c;  $\frac{1}{4}$  oz. 50c.

**GIANT COMET ASTERS**

A superb class, differing from others in its long, wavy, twisted florets, which are formed into a head three and one-half inches high, and one-half inches across. One of the most perfect of asters, and should be included in every collection.

**Asters—Giant Comet.** White. Pkt. 10c.  
**Asters—Giant Comet.** Crimson, pkt. 10c.

**Asters—Giant Comet.** Rose, pkt. 10c.  
**Asters—Giant Comet.** Pink, pkt. 10c.

**Asters—Giant Comet.** Elk's purple, pkt. 10c.

**Asters—Giant Comet.** Lavender, pkt. 10c.

**Asters—Giant Comet.** Mixed, pkt. 10c.

**Asters—Giant Comet.** Any 3 colors separate, 25c or all 6 for 40c.

Any of the above  $\frac{1}{4}$  oz. 25c;  $\frac{1}{4}$  oz. 40c.

**Crown or Cocardeau.** Mixed 10c.

**Aster—Single Elegans.** This is a very attractive single ray or Daisy like aster, and has been very attractive florist flower. Very profuse bloomer and medium early. Each following: 10c pkt.;  $\frac{1}{4}$  oz. 50c.

**Single Aster Elegans.** Rose.  
**Single Aster Elegans.** Blue.  
**Single Aster Elegans.** Lavender.  
**Single Aster Elegans.** Gen. Joffre Crimson, new. 10c pkt.;  $\frac{1}{4}$  oz. 75c.

**Perennial Aster—(Michaelmas Daisies)** Sow late summer or early fall. Thrive in any good garden soil, if sown early in spring will bloom same season. Pkt. 10c;  $\frac{1}{4}$  oz. 50c.



Aster—Giant Comet Type

# GENERAL LIST OF FLOWER SEEDS

ANNUALS attain full growth from seed, flower and die in one year.  
BIENNIALS grow from seed one year, bloom and die the next, though some varieties bloom the first season when sown early.  
PERENNIALS last for several years, blooming annually after the first season, though some varieties will bloom the first season if sown early.

All 5¢ packets at 50¢ per dozen.  
All 10¢ packets at \$1.00 per dozen.  
All 15¢ packets at \$1.50 per dozen.  
All 20¢ packets at \$2.50 per dozen.

*Abromia Umbellata*. Delicate rose, the "sand" verbena, beautiful native trailer. Pkt. 5¢.

*Aerocrinium*. Everlasting Flowers. Each 5¢.  
Rose, double white, rose and white, mixed.

*Adonis*. (Flos). Crimson and black eye. "The Pheasant's Eye" a beautiful showy free flowering plant. Pkt. 5¢.

*Achillea*. (Milfoil). Perennials, usually blooming first year from seed. Fine plants for cutting. Plant seed in bed and transplant. Pkt. 10¢.

*Achilles*. (The Pearl). Extra double white flowers. Very fine for florists use. Pkt. 10¢.

*African Orange Daisy* (Dimorphotheca). A charming bedding or border color (1 to 1½ ft.) of Golden Orange color, perfectly hardy for winter or summer, blooming in three months from seed. Pkt. 10¢.

*African Orange Daisy*, *Hybrids*. Coming in all colors of yellow and white, very effective for borders. Pkt. 10¢.

*Agrostemma Coronaria* (Muleteen Pink). Stout erect growing plants with silvery foliage and bright crimson flowers; hardy perennial; 2½ to 3 feet; July and August. Pkt. 5¢.

*Acanthus*. (Bear's Breeches). Stately ornamental perennial plants, attractive for beautiful large foliage, good for background in mixed borders and the wild garden. Sow seed in bed or box and transplant.

*Aconitum* (Monk's Hood). Beautiful perennials, flowering easily from seed. In its natural wild-growing habit and are mostly of blue shades, when left for years make large clumps. Will stand in almost complete shade. Roots are poisonous.

*Aconitum Napellus*. Blue. Pkt. 10¢.  
*Aconitum Uncinatum*. Fine blue. Pkt. 10¢.  
Mixed species. Pkt. 10¢.

*Adenophora*. Perennials, with numerous bell-shaped flowers, of the drooping habit, similar to Canterbury bells, to which they are closely related, and should be grown in same way—open, sunny position.

*Adenophora Potanini*. Blue. Pkt. 10¢.  
*Agathaea Spathulata*. A blue perennial Daisy, very satisfactory border or bedding plant, blooms throughout the year, especially good for winter flowers. Pkt. 5¢.

*Alonsoa*. A very attractive class for bedding, usually treated as annuals, but mostly prove perennial here. All colors mixed. Pkt. 5¢.

## SWEET ALYSSUM

The Alyssums have become one of the popular border plants thriving anywhere. The dwarf variety being excellent for edging, bordering beds, or even for sowing in masses, in manure compost, being a very hardy sort and fine for sowing in shrubbery. It does not require transplanting.

*Alyssum Procumbens*. A new very dwarf variety, fine for edging or borders, and claimed to be far finer than any yet introduced for this purpose. Pkt. 10¢; oz. 5¢.

*Tom Thumb* or *Little Gem* Sweet Alyssum. ¼ ft. Oz. 30¢; pkt. 5¢.

*Alyssum Benthami*. Sweet Alyssum. Pkt. 5¢.

*Alyssum Saxatile*. Yellow. A fine perennial border plant. Pkt. 10¢.

*Alyssum* (Lavender Queen). Same habit of growth as the old white variety, but has a very pleasing tint of Rose Lavender flowers. Pkt. 10¢, oz. 40¢.

*Ambrosia Mexicana*. Sweet scented. 5¢.  
*Ammobium Alatum Grandiflora*. White everlasting flower, 5¢.

*Anagallis Grandiflora*. Fine mixed showy and rich. 5¢.

*Arctotis Grandis*. Pure white, lilac on the outside, 5¢.

*Anchusa Capensis*. Deep sky blue Cape. Forget-Me-Not, a very fine annual. Pkt. 10¢.

*Anchusa Italica* (Dropmore). Giant "Forget-me-not." A tall growing plant with large leaves and bright blue flowers; very showy and fine for cutting; Perennial flowering first year if planted early. Pkt. 10¢.

*Amaranthus Tricolor*. (Joseph's Coat). A very attractive and showy bedding plant, with variegated foliage (3 to 4 ft.). Pkg. 5¢, ¼ oz. 15¢.

*Amaranthus* (Macrorhizon Ruber). A blood red foliage variety, extremely showy for bedding, grows 2 to 3 ft. or can be trimmed and kept dwarf. Pkt. 5¢, ¼ oz. 15¢.

*Amaranthus Salicifolius* (Fountain Plant). Extremely showy, variegated with purple, gold and crimson (3 ft.) on a bed planted with these bordered with dwarf Dusty Miller makes a wonderful sight. Pkt. 5¢, ¼ oz. 15¢.

## AQUILEGIA—COLUMBINES

A most desirable border plant in its many varieties. Large clumps bloom early and abundantly, is quite hardy, useful for cutting and elegant in habit. Sow the seed in the open ground or in beds at any time of the year and thin to about one foot apart. When planted in the open will bloom the next spring and summer. They thrive well with ordinary garden culture, but such rare sorts as A. Coerulea and A. Chrysanthemum do best in partial shade. Some very few of the hardy perennials are so easily grown from seed. Best if transplanted.

*American Hybrid Columbines*. This new race represents the highest perfection yet attained in the development of this favorite flower. The plants are extremely robust with large, handsome foliage and the flower spikes of 4 to 6 inches in height, carry magnificent clusters of numerous long spurred, single flowers which last a long time in bloom. The colors are superb and varied—including shades of blue, white, many new and delicate tints—blue, white, yellow and white, pure yellow, pink with yellow corolla, red with orange corolla, cerise, purple, rose and white, salmon, lavender, mauve, etc.

*American Hybrid Columbines*, *Mixed Colors*. Pkt. 10¢.

*Aquilegia*, *Single, Large-Flowering, Mixed Colors*. 10¢.

*Double-Flowering, Hybrids*. Beautiful large, double flowers, formed of several rows of cornucopia-like petals and of various shades of yellow, lavender, blue, indigo, and white. Pkt. 10¢.

*Rose Queen*. New, long-spurred Columbine, bears profusely long-spurred, single flowers shading from light pink to dark rose color, with white center and yellow anthers. Pkt. 15¢.

*Alpina Atrocoerulea*. Purple blue, fine. Pkt. 10¢.

*Alpina Superba*. Blue and white. Pkt. 10¢.

*California Hybrid*. Large yellow flowers. Pkt. 10¢.

*Chrysanthia*. Golden yellow, long spurs Pkt. 10¢.

*Coeur de Lion*. Rocky Mountain Columbine. One of the finest of our native American flowers. Sepals deep blue, petals white; about 3 feet. Pkt. 10¢.

*Coerulea Lutea*. Light yellow, splendid. Pkt. 10¢.

*Skinneri* (Mexican Columbine). Very handsome and quite distinct; spurs and sepals long, crimson and light green, about 3 feet. Pkt. 10¢.

*Sibirica*. Blue. Pkt. 10¢.

*Sibirica Rubra* (Red). Pkt. 10¢.

Collection of Aquilegia, including 12 choice varieties named at 70¢.

*Artemisia Stelleriana* (Dusty Miller) (sometimes confused with Senecio Cineraria). A very attractive plant for borders, with silver gray foliage. Pkt. 10¢.

*Arnebia Crenata* (Arabian Primrose). Innumerable golden yellow flowers with brown spots. Very attractive annual, easily grown. Pkt. 10¢.

## ANDROPOGON ARGENTEUM

A hardy grass for border or bed; excellent for cutting and mixing in bouquets; grows 2 feet. Pkt. 10¢.

*Asperula Odorata* (Sweet Woodruff). An old fashioned favorite, grown for its fragrant leaves which have an odor not unlike new mown hay, and used for putting among clothes, etc. Best grown in semi-shade positions. Flowers white. ¼ oz. 25¢; pkt. 10¢.

*A. Hexaphylla*. A pretty little plant similar to Gypsophila and grows same way and used for mixing with carnations or sweet peas. Pkt. 10¢.

*Asparagus Plinio* (Asparagus Fern). Very satisfactory plant for pot culture, or growing for decorating. Pkt. 10¢.

*Asparagus Sprengeri*. The best and most hardy hanging basket we have, also useful for bedding under shade. Pkt. 10¢.

*Armeria Maritima* (Thrift). Fine for borders. This is a fine little plant for edging; always in blossom and very hardy. Pkt. 5¢.



**ANTIRRHINUM, Giant Flowering Snap Dragons**

These form brilliant garden beds, flowering prodigiously and continuously the first season from seed. Unusually effective bedding displays are made from these noble plants, they grow about 2 feet high, are healthy and stocky, and completely enveloped with large snap-dragon flowers of splendid texture and substance, rendering them very durable under all conditions of weather; their continuous blooming qualities, ease of culture and independence of heat and drought, and pure, brightest colors, should entitle them to a permanent place in gardens. Although perennials, they bloom in 4 to 5 months from seedling. The flowers are nearly double the size of the older, smaller ones.

**Antirrhinum—New Soft Shell Pink.**

Medium height, very large flower, spike of delicate soft clear pink; a grand variety for cutting. Pkt. 15c;  $\frac{1}{4}$  oz. 35c.

**Giant-Flowering, Mixed Colors.** Pkt. 10c.

**Giant Yellow Queen.** Pure yellow. Pkt. 10c.

**Giant Scarlet.** Brightest scarlet. Pkt. 10c.

**Giant Papilionacea. (Butterfly Snap dragon).** Garnet with white throat. Pkt. 10c;  $\frac{1}{4}$  oz. 20c.

**Giant Rose.** Delicate rosy-pink. Pkt. 10c.

**Giant Striped.** Yellow, striped red. Pkt. 10c.

**Giant White.** Pure snow-white. Pkt. 10c.

The collection of above six separate colors, 50c.

**Antirrhinum Snapdragon, Semi-Dwarf.**

Large flowering. A beautiful class very extensively grown in the east and Europe, for bedding; these varieties produce all large flowers as the tall class, while the plants are of compact, bushy growth, about 1 foot high and are completely enveloped in flowers throughout the year, any of the following colors separate, 10c per pkt.; 3 for 25c. White, yellow, coral rose, blotched and striped, scarlet, all colors mixed.

**ANEMONE—"WINDFLOWER"**

These beautiful Irish Poppy-flowered varieties produce in abundance large single, semi-double, and double flowers, three to five inches across, of an endless



**Dwarf Snapdragon Golden Rose**

variety of colors, from maroon and bright scarlet to flesh pink, and from lilac to purple; some are mottled, striped, flinged, etc. For bedding, these are unsuited. They are hardy perennials, flowering from seed in about 4 months. Seedlings produce quite as fine flowers as imported bulbs, and have the advantage of large poppies, and they last for many days, far better in this respect to the poppy. Same culture as for Aquilegia, which see—

**Anemone de Caen.** A fancy strain of single varieties. Finest mixed. Pkt. 10c.

**Anemone "St. Brigid."** Beautiful large, single, semi-double and double poppy-flowered varieties, 3 to 5 inches across, of an excellent variety of colors, from maroon and bright scarlet to flesh-pink, and from lilac to purple; some are mottled, striped, flinged, etc. Finest Mixed. Pkt. 10c.

**Anemone—Japonica.** The tall perennial growing annual. A hardy variety growing about 3 feet high and blooming in large clusters. Pkt. 10c.

**Dwarf Snapdragons (New) "Golden Rose."** A elegant bedding variety,  $\frac{1}{2}$  feet high with very large and showy flowers; excellent for borders. Pkt. 10c;  $\frac{1}{4}$  oz. 20c.

**BELLIS (English Daisy)**

A favorite perennial plant which will bloom throughout the year. The seed we offer is saved from the finest double varieties; easily raised from seed; usually flowered in July. August. It can be sown in spring, and for best results should be sown each year 4 inches.

**Bellis—Montrosa.** New double Giant Daisies. These come in white and pink and are the size of small asters, and are produced on long flower stems, 6 to 8 inches. Highly recommended for the border. Each 10c pkt.; 3 for 25c, or mixed 10c; 3 for 25c.

**Giant Rose.** A superb variety, producing but 12 to 15 flowers to the plant, but these are of extraordinary size; of beautiful bright rose. Pkt. 15c; 2 pks. 25c.

**Bellis—The Bride.** A magnificent, very double free-flowering, pure white, bearing its large flowers on extra long stems, making it of exceptional value for cutting. This is a new giant-flowered variety. Pkt. 15c; 2 pks. 25c.

**Bellis—Double Mixed.** All colors; of the finest quality. 1-16 oz. 40c.

**Bellis—Snowball.** Fine White. Pkt. 10c.

**Bellis—Longfellow.** Fine. Pkt. 10c.

**Bellis—Mixed.** Fine quality. Pkt. 5c.

**Bocconia Japonica.** A fine large leafed plant for bedding. Pkt. 10c.

**Browallia Elata.** Fine for bedding and borders, 5c pkt.

**Browallia Jamesoni.** "Madam Modjeska Heliotrope" (Streptosylon). Very similar in habit of growth to Heliotrope, but more hairy, and blooms very probably, large clusters of orange flowers, shaped light scarlet, perennial. Easily grown. Same treatments as heliotrope. Pkt. 10c.

**BALSAM**

**Double Camellia-flowered (Lady Slipper).** An annual and favorite garden flower, producing its gorgeous masses of beautiful, brilliant-colored double flowers in the greatest profusion; of easy culture! succeeds in a good rich soil; tender annuals; 2 feet. Start the seed in the open ground or sow out-of-doors in May. To grow fine specimens they should not be closer than 18 inches apart.

**Balsams.** Improved camellia flowered. Mixed 10c pkt.

**BAPTISIA AUSTRALIS**

**False Indigo.** A beautiful hardy perennial herbaceous plant, producing pea-shaped flowers on spikes 6 inches long. Bright blue;  $2\frac{1}{2}$  ft. Pkt. 5c.



Anemones



Giant Daisies, Snowball-White

**BEGONIAS****Everblooming Bedding Varieties**

The following are varieties of Begonia Semperflorens, and take rank as bedding plants with geraniums and coleus, doing equally well in full sunlight, and surpassing both in positions partially or wholly in shade. They are of sturdy growth, growing 18 inches to 2 feet high, forming dense bushes, which, from May until frost, are completely hidden with flowers. As pot plants for winter-flowering they are superb, remaining a sheet of bloom throughout the entire year. Easily raised from seed, which should be started either indoors or in a hotbed, or better yet in plant in boxes of peat moss or loam mold—and do not cover seed at all, but cover close with a pane of glass and water from the bottom.

**Begonia Gracilis.** A very pretty half-dwarf variety, 8 to 10 inches high, densely covered with handsome flowers of a delicate rose color. Pkt. 15c.



Spray of Begonia Luminosa

**Begonia Luminosa.** New, fiery dark scarlet, with foliage reddish-brown or bronze. A superb variety, quite dwarf in habit and bearing the flowers on stems well above the foliage. Pkt. 10c.

**Begonia Vernon.** Fine for bedding. Pkt. 10c.

**Begonia Semperflorens, Erfordi.** Pkt. 10c.

**Begonia Madame Chatelaine.** Pretty counterpart to the pink flowering dwarf everblooming Begonia "Zurich" introduced a few years ago, forming handsomely round, dense bush, completely hidden with proportionately large flowers of a lovely carmine-scarlet. Foliage reddish brown. Splendid bedding variety, reproducing its type true from seed. Pkt. 15c.

**Begonia Tuberosa Rooted.** Fine strain from Europe. Pkt. 25c.

**BARTONIA AUREA**

**Golden Bartonia.** Producing showy golden-yellow flowers above its gray and downy thistle-like foliage, which is exceedingly brilliant in the sunlight. So it is best if it is to remain, as it does not bear transplanting, annual; 2 feet. Pkt. 5c.

**BRACHYCOME (Swan River Daisy)**  
**beridifolia "Blue Star"** (New.) An annual, but in California it becomes a perennial, blooming quite all the year. Good hardy border plant. Pkt. 5c.

**ORNAMENTAL PEPPER**  
**Capsicum Cherry.** A small, cherry-shaped Pepper, largely used for holiday decoration, best if grown in pots. Pkt. 10c.

**CANTERBURY BELLS**  
(*Campanula*)\*

With all the species it is best to plant the seed very early in the spring

or fall—but we have had good results from seed started in mid-summer! The seed should be sown in protected beds or boxes with slight covering and shade. Transplant the seedlings as late enough. The following list contains Annuals, Biennials and Perennials and for convenience have divided them under the different classes—the Biennial if planted by Oct. 1st generally flower next season.

**ANNUAL VARIETIES**

**Campanula Attena.** Most graceful little plants, which are very hardy and should be better known. A fine mixture of whites, lavenders and blues. Pkt. 10c.

**C. Speculum.** (Venus Looking Glass).

**Grandiflora** (*Pentagonia*). Pkt. 5c.

**Stellata.** Blue. Pkt. 5c.

**C. Speculum Procumbens.** A trailing variety; fine for hanging baskets. Pkt. 10c.

**BIENNIALS****TRUE CANTERBURY BELLS**

(*Campanula Medium*)

Very ornamental garden plants of easiest culture, flowering the second season from sown. Hardy biennials, 2½ feet high, producing large bell-shaped flowers of exquisite colors. The "Cup and Saucer" varieties (*Campanula Calycanthemum*) produce beautiful single flowers three inches in length, saucers 3 to 4 inches in diameter. The perfect pyramids of bloom bearing frequently from 100 to 200 of these exquisite blossoms for weeks during the early summer.

**Double Mixed.** Pkt. 10c.

**Double Lavender.** Pkt. 10c.

**Double White.** Pkt. 10c.

**Double Rose.** Pkt. 10c.

**Double Striped.** Pkt. 10c.

**Single Rose.** Pkt. 10c.

**Single White.** Pkt. 10c.

**Single Blue.** Pkt. 10c.

**Single Mixed.** Pkt. 10c.

**Calycanthemum.** (Cup and Saucer Canterbury Bells). This is unquestionably the finest type of this old-fashioned and much-prized garden plant. They differ from the ordinary type in having an extra large calyx, which is of the same color as the flower, giving the appearance of a cup and saucer. They are effective either in the garden or grown in pots for conservatory or table decoration.

**C. Calycanthemum Rose.** Pkt. 10c.

**C. Calycanthemum White.** Pkt. 10c.

**C. Calycanthemum Blue.** Pkt. 10c.

**C. Calycanthemum Mixed.** Pkt. 10c.

3 pks. for 25c.

**Campanula Longistyla.** This Campanula, which was introduced into Europe from Transcaucasia only a few years ago through the Botanical Gardens at Tiflis, is a biennial, growing to a height of 20 in. of compact, erect habit, which is remarkable for the abundance size and beauty of its flowers, and of its pendant blooms, unfolding in July. Of easy cultivation, it is recommended for borders and baskets. Pkt. 10c.

**PERENNIAL CANTERBURY BELLS**

**Carpatica** (Carpathian Hare-bell). Free flowering hardy perennial, continuing in bloom the whole season; color clear blue; grows 6 inches high; especially good for edging. ¼ oz. 25c; pkt. 5c.

**Alba.** The white-flowered form of the above. Pkt. 5c.

**Persicifolia Moerheimi.** The plant grows more compact than the other persicifolia varieties, and the stems are quite covered with very large downy hairs of the largest white, which have a diameter of 2½ to 3½ inches and are double and semi-double. The flowers are not bell-shaped like other Campanulas, but resemble a double-white Campanula. Pkt. 5c.

**Persicifolia Glauca.** A beautiful variety of the Peach Bells. The plants grow about 2 feet high, and in June and July bear spikes of large double pure white flowers. 3 pks. for 35c; per pkt. 15c.

**Persicifolia Grandiflora** (Peach Bells). Undoubtedly one of the finest of the hardy Bellflowers! grows 2 to 3 feet high, with large blue bells. ¼ oz. 50c; pkt. 10c.

**Persicifolia Alba.** The white-flowered Peach Bell. Pkt. 10c.

**Pyrinianalis.** (The Chimney Bellflower). A beautiful, stately, hardy plant, either for garden or pot culture; blue salver-shaped flowers, 4 to 5 feet. ½ oz. 25c; pkt. 10c.

**Campanula Garganica.** Charming miniature trailing Bellflower with light blue flowers, splendid plant for hanging baskets. Pkt. 15c.

**Campanulas.** Fine perennials and hybrids mixed. This assortment is made up of our fine collection and is highly recommended. Pkt. 10c.

**Campanula Phytidocalyx.** (Amabilis) Perennial (new). A very handsome plant of lovely light blue. Pkt. 15c.

**CANDYTUFT (IBERIS)**

The Candytufts are among the best flowers for edging, for bordering or massing for rookeries and for cutting. Several of them are fragrant, and are profuse in bloom. Sown out of doors at any time of the year will bloom in about three months. Pkt. 5c; oz. 25c; except where noted.

**Candytuft Empress.** One of the best compact heads. Oz. 40c.

**Candytuft Little Prince.** Very large heads, pure white. Oz. 40c.

**Candytuft Rocket.**

**Candytuft Carmine.**

**Candytuft Crimson.**

**Candytuft Odorata.** White, sweet-scented.

**Candytuft Mixed colors.**

**Carexaria Hybrida.** (Tender plants). Grandiflora. Large flowers; splendid strain. 25c pkt.

**Calendula "Winter" or "Pot Marigold."** Improved double strain, and if given good rich soil, will produce very large flowers while they grow anywhere; will respond to good culture very quickly. Planted in mid-summer will be in good bloom in 3½ months and continue all winter. Very satisfactory for cutting for winter.

**Calendula Double Orange.** Pkt. 5c.

**Calendula Double Lemon.** Pkt. 5c; oz. 35c.

**Calendula Double Mixed.** Pkt. 5c; oz. 30c.



Canterbury Bells



COREOPSIS DRUMMONDI

**"Harvest Moon."** One of the finest hardy garden plants grown, forming large clumps 2 to 3 feet high and increasing in beauty, luxuriance and floriferousness each year. Bought at flowers the first season from seed sown early. Immense rich, yellow flowers, shaded with orange, flowering in profusion for a long period during the summer unequalled for cutting. **Annual.** Pkt. 10c.

**Calliopsis Bicolor.** Improved new giant flowered variety, with red, brown center and light yellow at outer edge of petals. A very striking flower blooming about 3 months from seed. Pkt. 10c;  $\frac{1}{2}$  oz. 20c.

**Calliopsis "Tiger Star."** A very dwarf variety, fine for bedding; grows 18 inches, free flowering, and a remarkable showy little plant; flowers yellow with reddish brown center. Pkt. 5c;  $\frac{1}{2}$  oz. 20c.

**Coreopsis Drummondii.** An annual coreopsis, though practically proving perennial in California. This beautiful Calliopsis is similar in size to the "Harvest Moon" but has a dark eye in center of flower, blooming three to four months after planting and when cut, can be quite a thrill up other flower stems and blooms prettily all summer; flowers about 2 inches across, and stems 12 inches to 2 feet long; keeping for days when cut. Pkt. 10c;  $\frac{1}{2}$  oz. 20c.

**Coreopsis-Hybrid Coronata.** A new variety, similar in size to C. Drummondii but has a delicate lacey ring around base of petals of light maroon and gold, setting off the deep yellow in a striking manner. Very handy perennial. Pkt. 10c.

#### CENTAUREAS

This is one of our specialties in flower seeds, and the popularity of it has greatly increased during the last few years, owing to the beautiful late introductions we have been able to secure from the finest stock grown on either continent. They should be planted when they are to be grown, and at any season of the year, and will bloom about four or five months from planting.

Under this name is included such popular flowers as Sweet Sultan, Corn Flower, Blue Bells, Bachelor's Buttons, etc., and known in all sections of the country and especially popular in California. A great favorite among the florists for cut flowers.

**Royal Sweet Sultan or Imperials** is the improved strain. We have these in



Centaurea and Gypsophila in Bouquet

the following colors. Pkt. 10c; oz. 75c.

**Centaurea Imperialis** Pure White, Centaurea Imperialis Bright Lavender, Centaurea Imperialis Rose, Centaurea Imperialis Margarite White, Centaurea Imperialis Purple.

**Centaurea Cyanus** (Corn Flower, Ragged Sailor, etc., the favorite bright blue strain) so much in demand for cutting. Pkt. 10c; oz. 50c.

**Centaurea Cyanus.** Mixed colors. Pkt. 5c; oz. 50c.

**Centaurea Cyanus.** Double Blue Corn-flower. This is identical in color to the popular single blue variety, which is so much in demand for cutting especially for borders, but being a full double flower, it takes fewer of them to make a nice bunch, and is better in every way. 10 per cent. per pt.; oz. 75c.

**Centaurea Suaveolens.** A beautiful large yellow variety. Pkt. 5c; oz. 75c.

**Centaurea Candidissima** (Dusty Miller). This is the best of the so-called "Dusty Miller" plants being more white and dwarfer than the cineraria. Pkt. 10c.

**Cheiranthus Maritimus.** Virginian stocks mixed. Pkt. 5c.

#### CINERARIA HYBRIDA

Magnificent and indispensable flowering plants for winter and spring decoration for the conservatory or window gardens. The flowers measure 2 to 3 inches across, are of white, blue, violet and crimson shades; usually two or more colors are shown in one flower, covering the plant with a sheet of



Cockscomb—Empress

bloom. The Cinerarias are quite hardy in California and when planted under shade, bloom in the greatest perfection. Seed may be sown in beds and boxes, carefully protected, and when large enough, may be bedded out or grown in pots. Sown in spring for winter flowers.

**Large-flowering, chestnut mixed.** From prize varieties. Pkt. 25c.

**Stellata, Improved Hybrids.** Tall, pyramidal plants, bearing quantities of medium-sized star-like flowers in immense umbels; an exceedingly decorative pot plant. Colors, white, rose, red, carmine and blue mixed. Pkt. 25c.

**Cineraria—Giant Flowered Dwarf Hybrids.** An improved large flowering class, with compact growth—in many rich colors; a prize strain. Pkt. 25c.

**Cineraria Maritima.** Used for borders. Silvery green foliage. (Dusty Miller). 10c.

#### CLARKIAS

These are among our best annual native flowers, planted in early fall bloom in early spring, and can be kept in flower nearly all the year. The following are garden hybrids of the old C. elegans and grow about 1 1/2 ft. Each per pkt. 5c.

**Clarkia Double Rose.**

**Clarkia Double Crimson.**

**Clarkia Single Pink.**

**Clarkia Single Purple.**

**Clarkia Single White.**

**Clarkia Double Mixed.**

**Clarkia Single and Double Mixed.**

#### CELOSIA CRISTATA (Cockscomb)

Free blooming annuals growing best in rather light soil, not too rich; make grand border plants and are attractive when cut. Should be sown early, as they stand no frost. Pkt. 15c.

**Celosia Childsii**—"Woolflower." The new dwarf cockscomb from China. Introduced some 2 years ago; has proven a great acquisition to this class of plants; should be bedded out and transplanted as soon as frost is past. Pkt. 15c.

**Cockscomb Empress.** Combs of colossal proportions; they have been grown measuring 24 inches from the tip to tip. Pkt. 10c;  $\frac{1}{2}$  oz. 20c.

**Cockscomb Glasgow Prize.** Immense showy dark crimson combs. Pkt. 10c.

**Cockscomb—Queen of the Dwarfs.** This we consider the best of the dwarf-growing combs. The plants grow only 8 inches high, with beautiful dark rose-colored combs, measuring under good condition 2 feet across. Pkt. 10c.

**Cockscomb—Dwarf Mixed.** Fine dwarf varieties. Pkt. 10c.

**CELOSIA PLUMOSA**  
(Feathered Cockscomb)

Make fine plants for large beds or groups and the plumed flowers can be cut and dried for winter bouquets. *Cockscomb—Thompson's Purple* (*Triomphe de l'Exposition*). Of pyramidal growth, attaining a height of little more than 2 feet, and producing graceful, feathered plumes of the most brilliant color. The slight the rich color of the flower spikes is beautifully contrasted with the bronze-colored foliage. Pkt. 10c.

*Cockscomb—Thompsoni Magnifica*. Similar to the preceding, but larger, except in color, which varies in the most magnificent shades, ranging from the clearest yellow to the darkest blood-red. Pkt. 10c.

*Cockscomb—Golden Plume*. Bright golden-yellow plumes. Pkt. 10c.

*Cockscomb—Plumosa*. Mixed. Feathered varieties in the colors. Pkt. 10c.

**CARNATIONS AND PINKS**

The splendid carnation of the florist is a very interesting plant to grow from seed, and it is not over exacting. These can be sown in beds or in boxes at any time of the year, they will bloom in four to six months after sowing. Young plants are perfectly hardy out of doors. The new race of Margaret carnations are an extra vigorous class, and bloom profusely. For masses of bloom, few plants are finer, and for pots also, their neat habit makes them very suitable. Grown as annuals from seed sown in spring they are very satisfactory. Our seed of these varieties is especially grown for us in Europe.

**TRUE CARNATIONS**

*Fine Double Mixed*. The best for garden culture. Pkt. 10c.

*Fineest Double Mixed*. Saved from extra fine flower. Pkt. 25c.

*Grenadin, Charming*. Dwarf and compact. Scarlet. Pkt. 10c.

*Perpetual or Tree*. Very fine mixed. Pkt. 25c.

*Grande Dame Everblooming*. Raised by a famous French specialist. Blooms in five months after being sown and continues to flower in the greatest profusion indefinitely. Mixed colors. Pkt. 25c.

*Dianthus—Plumarius*. Clove or Grass Pinks. These very desirable sweet-scented, low growing early blooming pinks are unequalled for the border

of beds, automobile drives, and the old-fashioned garden, and should be planted in quantities in any good garden soil with full sun, and in an open situation. Single mixed. Delicately fringed flowers,  $\frac{1}{4}$  oz. 20c; pkt. 10c.

*Dianthus Plumarius Semperflorens*; *Florist Pink*. Hardy class; very fragrant. Double mixed, 10c.

*Dianthus Plum. Double Mixed* (*Pheasant's Eye*).  $\frac{1}{4}$  oz. 20c; pkt. 10c.

**MARGARET CARNATIONS**

These are deservedly the most popular Carnations with amateurs as they begin flowering in a few weeks from time of sowing. The strain offered is of semi-dwarf, robust habit, requiring no artificial support and producing on long, strong stems, clusters of large, double, beautifully fringed, highly-scented flowers. All the following varieties at 10c per pkt. Very double choice quality mixed. Very double choice quality white. Very double choice quality rose. Very double choice quality scarlet. Very double choice quality dark red. Very double choice quality yellow.

**DOUBLELEGARN PINKS**

*Chinensis* Fl. *Fl. Chin. or Indian Pink*) Blooms in clusters, flowers very double, in a large range of bright colors.  $\frac{1}{4}$  oz. 15c; pkt. 50c.

*Diademata* Fl. *Fl. (Double Diadem Pink)*. Beautiful double flowers, mixed of various tints of lilac, crimson, purple, to very dark purple, with the center eyes of gold. Very nearly white. Pkt.  $\frac{1}{4}$  oz. 30c; pkt. 10c.

*Dianthus Latifolius* Fl. *Fl. (Double Fringed Pink)*. Large, double, showy flowers, with fringed edges, in a great variety of colors, including beautiful striped sorts, mixed colors. Per  $\frac{1}{4}$  oz. 30c; pkt. 10c.

*Dianthus Nobilis* Fl. *Fl. (Double Royal Pinks)*. A double flowering form of Royal Pinks. Flowers of largest size, varying in color from scarlet to dark blood-red and rose to white.  $\frac{1}{4}$  oz. 50c; pkt. 10c.

*CYCLAMEN GIGANTEA*

*Cyclamen Giganteum "Rococo"*. A fancy strain of large flowering Cyclamen with fancy markings and fringed petals. A superior strain. Pkt. 25c; 50 seeds 50c.

*Cyclamen Gigantea*. Large flowered Variety. Fine strain. Mixed. Pkt. 25c.

*C. Papilio*. New Butterfly Cyclamen. Fine strain. Pkt. 50c.



New Crested Cosmos

**COSMOS**

This is one of the notable fall flowers, but can be planted in California at any time of the year. If planted in the spring it will not flower till fall, but if planted during the summer it will be more dwarf and flower about the same time, or if planted late fall will bloom in the spring. Several new varieties have been added to this popular flower. If topped when half grown will hasten flowering. They will open fully in sun. Pkt. 5c; oz. 25c; 40c; except when noted.

*Giant Fancy*. Red and crimson.

*Giant Fancy White*.

*Lady Lenox*. A true giant. We exhibit flowers of this marvel over 6 inches across. Color is deep pink and is very striking. This is the finest cosmos to date, looking like a single dahlia. Pkt. 10c.

*Florida Klondyke*. Yellow, smaller than the above, but very pretty. Pkt. 10c.

*Cosmos, White Lady Lenox*. (New). Identical with the older pink variety of which it is supposed to be a seedling; pure clear white with large broad petals—a superb variety. Pkt. 10c; oz. 40c.

*Cosmos, New*. Early Flowering. Mixed. These bloom 1 to 2 months earlier than the older varieties. Pkt. 10c.

*Cosmos, New Early Flowering*. White. Pkt. 10c.

*Cosmos, New Early Flowering*. Red. Pkt. 10c.

Mixed. Very fine. Pkt. 10c.

**NEW DOUBLE AND CRESTED COSMOS**

Last year we introduced what we termed Double Cosmos. This year we are introducing the different forms of flowers and term them Doubles and Crested forms.

*New Crested Cosmos*. A form as illustrated in picture. This is the original form but is being constantly improved. We offer three distinct colors this year in the Crested type, but many of these will be of double form. They will vary considerably but are all charming flowers.

*New Crested Cosmos*. White. Pkt. 15c.

*New Crested Cosmos*. Crimson. Pkt. 15c; 3 pkts. 1 each of above. 25c.

*New Crested Cosmos*. Mixed. Pkt. 15c.

*New Double Cosmos*. Pink. A full double daisy like flower; improved strain. Pkt. 15c.

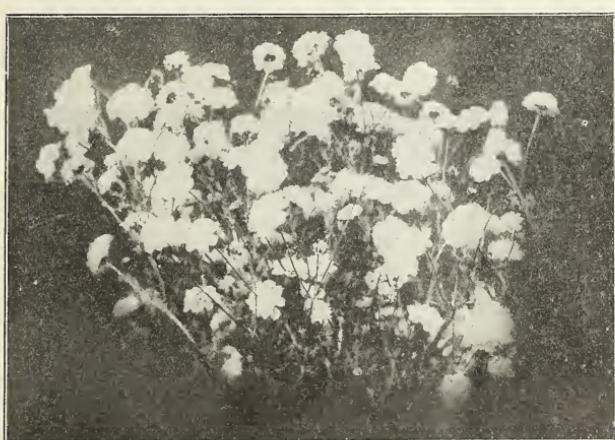
*New Double Cosmos*. White. Fully double-form. Pkt. 15c.

**PERENNIAL CHRYSANTHEMUMS**

For Chrysanthemum plants, see plant list.

*Japanese Hybrids*. Saved from large flowering named florists' varieties. Sown early in spring, will bring blooming plants, first season. Pkt. 15c.

*Frutescens Grandiflora*. (White Paris Daisy or French Marguerites). They bloom the entire year. Fine for bedding or tall border. Pkt. 10c.



Double Cosmos. From Actual Photo.

ANNUAL CHRYSANTHEMUMS  
OR PAINTED DAISY

These are becoming more popular every year and are not only grown for summer, but are quite as satisfactory for winter flowers being hardy in So. California. Can plant at intervals and have them in bloom the year through of compact, thrifty growth, about 2 feet high. Large plantings are made in August, September and October for winter blooms.

**Chrysanthemum, Single Mixed.** These are sometimes called Painted Daisies because of their bright colored flowers. They appear about 3 months from planting time in all shades and colors of flowers from yellow, buff, red and maroon blottedched and rayed, making many colors for cutting. Pkt. 5c; oz. 1c.

**Chrysanthemum, Carinatum Tricolor.** A large daisy-like yellow flower, with a ring or ray center of maroon. Pkt. 5c; 1/4 oz. 1c.

**Chrysanthemum, Car. The Sultan.** Purple and scarlet. Pkt. 5c; 1/4 oz. 1c.

**Chrysanthemum, Car. Lord Beaconsfield.** White with rose ring. Pkt. 5c; 1/4 oz. 1c.

**Chrysanthemum, Car. Eclipse.** Brown and yellow. Pkt. 5c; 1/4 oz. 1c.

**Chrysanthemum, Car. Northern Star.** Giant White flowers, dark center (nervously). Pkt. 10c.

**Chrysanthemum, Coronarium.** Double white. Pkt. 5c.

**Chrysanthemum, Coronarium.** Double yellow. Pkt. 5c.

**Chrysanthemum, Coronarium.** Double mixed. Pkt. 5c; oz. 2c.

**Chrysanthemum Evening Star.** Pkt. 10c; 1/4 oz. 1c.

**Chrysanthemum White Star.** Pkt. 5c; 1/4 oz. 2c.

**Chorizemus Illefolius.** A holly leafed plant with orange scarlet flowers, which are produced in great profusion a greater part of the year, grows 3 to 5 ft. high. Fine for cutting, very showy, hardy shrub. Pkt. 10c.

**Coleus.** These are very largely used for bedding but are quite hardy and will stand outside during winter. Should be bedded out in early spring, shady position preferred, and on approach of winter trimmed back and potted up, and can be used as house plants for winter decoration. Seed is very small and requires considerable care in planting. Best way is to plant in loose soil composed of sand and leaf mold, equal parts, in deep box and cover with glass or cloth shading in hot sun. Cover seed very slightly. Coleus. Fine quality. Mixed. Splendid for bedding. Pkt. 10c.

**Coleus.** Exhibition of finest colors and fine foliage. Pkt. 25c.

## DAHLIAS FROM SEED

They flower the first season if sown early.

**Choice, Large-Flowering, Double Decorative, and Show Varieties, Mixed.** Pkt. 10c.

**Cactus Dahlia, Double, Mixed Colors.** Saved from the choicest show varieties. Pkt. 10c.

One of our most beautiful assortment of single and double varieties, in October, produced from seed planted in early spring. These compared most favorably with the best named varieties, and have much more pleasure in knowing they were of his own growing. Although they are perennials, they do fine and bloom first year if planted early in the spring.

## DELPHINIUM OR HARDY LARKSPUR

**Giant Hybrids.** A splendid race of these hardy garden plants. The seed has been saved from one of the choicest named collections in England, all carefully hybridized, so that the plants, spiky, showy flowers of magnificent proportions will be produced. The individual blossoms are of immense size, semi-double and perfectly double, dressing the graceful towering spikes for them 2 to 3 feet of their length. The colors and shades are wonderfully lovely and varied, ranging from pure white and

most chaste lavender up through every conceivable shade of blue to deep purple, with pink, red and white blending in some of the varieties. The plants are tall growers, from 4 to 8 feet in height; there are but few plants that contribute so much to the beauty of garden or herbaceous border. By cutting off the spikes immediately after flowering, these Delphiniums may be had in bloom for several months. Pkt. 15c.

**Delphinium, Bellflower.** Everblooming Larkspur. Light blue, dark blue, white, spikes often breaking stems 7 to 8 feet high and flower spikes 2 feet. Most gorgeous sight when planted in clumps. This is, we believe, one of the grandest of the entire list. Pkt. 15c.

**Delphinium, Blue Buttercup. (Chinese).** This is a new dwarf species with extremely attractive clusters of flowers. Pkt. 10c.

**Delphinium, Chinensis Album.** Pure dwarf white, fine for cutting, giant flowered and excellent variety. The coloring is very rare. Pkt. 15c.

**Delphinium Formosum.** Dark blue, fine flowered and especially hardy and attractive. Pkt. 10c.

**Delphinium Cardinalis.** A pure, bright scarlet, very fine and hardy. Pkt. 10c.

## ANNUAL LARKSPURS

All the following 5c per pkt., except where noted.

**Larkspur, Tall Branching.** Choice mixed.

**Larkspur, Emperor.** This is one of the most popular sorts for massing in beds. Grows medium high and very attractive, of good branching habits.

**Larkspur, Emperor White.** Larkspur Emperor White. Larkspur Emperor Blossom. Larkspur Emperor Rose. Larkspur Emperor Blue. Larkspur Emperor Violet.

Any of above. Pkt. 10c; oz. 4c.

**New Larkspur, Nepeta. Pink.** This beautiful, new color of "old rose" is one of the finest and most showy of late introductions, grows about 3 ft. Pkt. 10c; 1/4 oz. 2c.

**DIMORPHOTHECA AURANTIACA**  
Orange African Daisy

Rare and extremely showy annual from Namqualand, South Africa, which will soon become a great favorite in all countries on account of its very early, upright and its beautiful colored flowers. The plants, of very neat branched habit, grow about 12 to 15 inches high and are exceedingly profuse in flower. Well adapted for groups or borders, it produces its pretty flowers very early after being planted out in the open ground in sunny situations and will continue to flower during the entire year. Pkt. 10c.

**Dimorphotheca Hybrid.** Coming in all colors, of yellow, white and orange. Pkt. 10c.

## DIGITALIS OR FOXGLOVE

These improved Foxgloves are very showy, hardy, perennial plants for the garden and herbaceous border, they are easy to grow and produce freely long spikes standing 4 to 5 feet high, well furnished with large Gloxinia like flowers of various colors including white, cream, rose, red and other shades all of which have beautiful throat markings, spots and blotches on the petals. The flowers are robust than the ordinary garden Digitalis, have shorter stems and larger flowers. Each 10c pkt.

**Gloxiniaeflora Alba.** White.

**Gloxiniaeflora Lilac.**

**Gloxiniaeflora Purple.**

**Gloxiniaeflora Rose.**

**Digitalis Gloxiniaeflora.** Finest mixed 10c.

**Digitalis Monstrosa, Mixed Colors.** A very unique and beautiful type, producing long spikes of large flowers of various colors, many of which are beautiful shades of pink, etc. The striking feature of this strain is the enormous bell-shaped blossom that tops each spike of flowers. Pkt. 10c.

**Dusty Miller.** See Centaurea and Cineraria.

**Echinacea — "Globe Thistle."** Large growing plant of easy culture for massing or among shrubs. Perennial, summer bloomer. Pkt. 10c.

**Eremurus Bungei.** A remarkable plant flowers spike to 8 feet and 1 ft. thick. Very showy. Pkt. 25c.

**Erigeron Aurantiacum (Orange Daisy).** Large flowering in great variety, a good and nice daisy with beautiful colorings. Grown same as perennial asters or Pentstemons. Pkt. 15c.

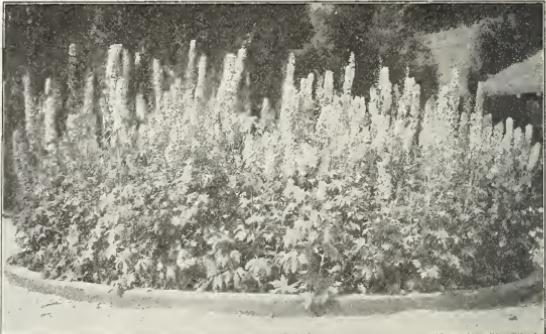
**Erigeron Coulteri.** A white variety. Pkt. 15c.

**Erigeron Speciosus. (The Midsummer Daisy).** An attractive perennial large clear pale mauve flowers with bright golden centres. Excellent for cutting. Height 18 inches. (Illustrated). Per pkt. 15c. See Perennial Aster.

**Eschscholtzia, California Poppy.** Too well known to describe. This plant can be kept blooming from year to year if kept watered. Common California Poppy. Pkt. 5c. California Poppy. White. Pkt. 5c. California Poppy. Mixed, all colors. Pkt. 10c.

**California Poppy, Mandarin.** Pkt. 5c.

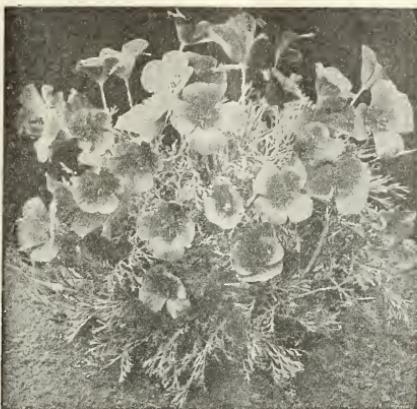
**California Poppy, New, Crimson.** Improved strain—90 to 95 per cent true. A very fine strain, and a valuable new variety, compact growth and fine deep color. Pkt. 10c; oz. 4c.



Delphinium Growing in Los Angeles

**"GOLDEN WEST" POPPIES**

An improved strain of our California Wild Poppy, which is so popular. Can be planted any time of year and is a perennial if kept well watered, otherwise is treated as an annual. Flowers are very large, often 4 to 5 in. across, of deep orange yellow. Pkt. 10c;  $\frac{1}{2}$  oz. 15c; oz. 25c; lb. \$2.50.

**ESCHSCHOLTZIA CALIFORNIA POPPY**

**Echium—Giant Torch Flower.** We exhibited this plant in our store and its great flowers spike created considerable interest. The flower spikes reach 5 to 7 feet in height and 8 inches through, and is a great curiosity. Seed planted during spring or summer blooms the next spring. Pkt. 10c.

**Echinacea (Purple Cone-flower).** Closely related to Golden Glow. Hardy Herbaceous plant and recommended for border or hardy bedding. Pkt. 10c.

**EVERLASTING FLOWERS**

The old hardy flowers are becoming more popular every year; and this is very true of this class—many tons of them being sold on the market and many having been shipped East.

**Acroclinium.** Baby strawflower. Rose. Pkt. 5c; oz. 50c.

**Acrolinium—White.** Pkt. 5c; oz. 50c.

**Helichrysum—Giant Strawflower,** growing about 4 ft. Pkt. 5c; oz. 50c; in the following colors:

White, Salmon, Orange, Buff, Red, Silver Ball, and Fire-ball.

**Gomphrena—Globe Amaranthus.** Somewhat of the appearance of clover in growth; very popular. Pkt. 5c; oz. 50c. Purple, White.

**Rhodanthus.** A splendid Rose Red Semi-Dwarf. Pkt. 10c; oz. 75c.

**Neon Amaranth.** One of the best of all straw flowers; very attractive in bouquet and holds its heads up very well. Mixed colors. Pkt. 5c; oz. 50c.

**Statice Sea Lavender.** We have some Double-flowered. Pkt. 10c; oz. 60c.

**Gypsophila paniculata.** Perennial Baby's Breath. By planting in summer this blooms following spring. Pkt. 10c.

**EUPHORBIA**

Strong-growing annuals, suitable for beds of tall-growing plants or mixed borders; the flowers are inconspicuous; but the foliage, however, is exceedingly ornamental.

**Euphorbia** *Variegata* (Snow on the Mountain) attractive foliage, veined and margined with white; 2 feet. Per oz. 30c; pkt. 5c.

**Euphorbia** *Heterophylla* (Annual Poinsettia Mexican Plant. Painted Leaf). An annual resembling in habit and color the beautiful hot-house Poinsettia. The plants grow 2 to 3 feet high, of branching, bush-like form, with thick, mossy-green leaves which, when about midsummer, become a beautiful orange-scarlet, presenting a striking and brilliant appearance. Pkt. 10c.

**Felicia Abyssinica—“Blue Marguerite.”** Low growing shrub. Herbaceous plant, sometimes called “blue daisy.” Makes a splendid bedding plant, also useful for pot culture. Pkt. 10c.

**Festuca Glauca (Pennisetum).** A “blue gray” grass-like plant that makes a beautiful border along walkways or beds, grows about 6 inches high and is quite hardy. Plant in small bed or box and transplant. Pkt. 10c.

**Forget-Me-Not.** See Anchusa and Myosotis.

**Four-O'Clock (Mirabilis).** An old garden favorite. In California it is a perennial and a very attractive plant as it is always in flower. Pkt. 5c.

**Francoa Ramona Hybrida.** “Bridal Wreath,” a semi-evergreen new border annual, often blooming first year if planted early. Highly recommended. Pkt. 20c.

**Freesia.** This bulbous plant is generally grown from bulbs, but the seed is also used. Time of sowing, then a good time to plant seed is in latter part of summer or early fall. These will bloom freely the coming spring. Pkt. 10c.

**Freesia Hybrida.** Freesias are lovely plants usually grown from bulbs, for their elegance and the sweet fragrance of their flowers. Heretofore the flowers have been white, but this new creation contains singular colors not as yet seen in Freesias, and will bloom the first year from seed. 20 seeds 25c.

**Gerbera Jamesoni****GAILLARDIAS**

The flowers are exceptionally large often 4 to 5 inches across and very highly colored in great diversity of variations and blippings, including such combinations as dazzling scarlet with gold edge, yellow blood-crimson with yellow edge, yellow flame, and many others. These magnificent Gaillardias are hardy perennials, less coarse and more compact in growth than the older kinds and they produce a constant supply of flowers all summer and fall when grown in large groups they are gorgeously effective. As cut flowers they are almost unrivaled; the immense and brilliant flowers being self-supporting stems, “vases” handomely and they last in water for days.

**Giant Hardy Hybrid Gaillardias, Mixed Colors.** Pkt. 10c.

**Gaillardia Grandiflora.** Splendid mixed colors. Pkt. 10c.

**Gaillardia Grandiflora semi-plena.** This novelty produces semi-double flowers, 2 to 3 inches across; colors light yellow, deep golden and sometimes tinged with red. The velvety maroon disk forms a brilliant contrast. Hardy perennial. Pkt. 15c.

**Gilia California (Wild Phlox).** These are mostly native California flowers and are very popular for bordering annuals and perennials; sown in fall commence to bloom in early spring, or by keeping well watered bloom nearly all summer.

**Gilia Achilleifolia.** Bright blue, growing about 2 feet. Pkt. 5c; oz. 25c.

**Gilia Tricolor.** Lavender-pink. Pkt. 5c; oz. 25c.

**Gilia Fine mixture.** Pkt. 5c; oz. 20c.

**Gladiolus Lemonias.** Finest mixed. Pkt. 5c.

**G. Childsii.** Robust class. Pkt. 10c. Nothing is more easy of growth than these plants. Will bloom first year from seed. Sow in beds and transplant.

**Glaucom Fischeri.** (Horn poppy). A silver green foliage plant resembling Dusty Miller with large flowers. Pkt. 10c.

**Glaucium.** Horned Poppy. Perennials, but generally treated as annuals. Silver green foliage; fine for borders. Pretty flowers. Pkt. 5c.

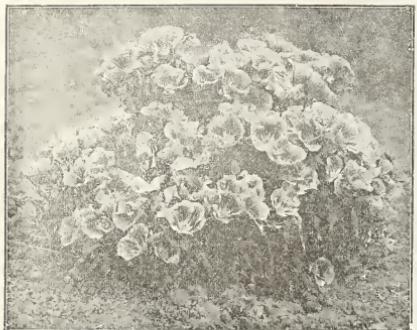
**Geum—Coccineum.** Perennial. A very attractive, fragrant, scarlet flower, growing 1 1/2 to 2 ft. high, blooms freely. The brilliant color of the flower makes it very desirable. Pkt. 10c.

**Geum.** Mrs. Bradshaw. (New). Very useful for cutting. Pkt. 15c.

**Gomphrena.** (Globe Amaranth). Sometimes called “Bachelor Button.” Pkt. 5c.

Tall, mixed. Dwarf, mixed.

**Gilia (California Phlox)**



Godetia—Crimson Glow

**Gazania Hybrida Grandiflora.** Mixed. "Black-eyed Susan." Most all the flowers are mixed with the old variety, but this new strain is a great acquisition as one can get all shades from white to deep orange colors. Pkt. 15c.

**Genista Andreana.** The finest variety of the Genista group, and entirely distinct from the others. The upper petals are clear golden yellow, forming a striking contrast to the rich velvety brownish scarlet of the lower petals, and making a brilliant and showy flower. *Genista Andreana* makes a fine specimen shrub. Pkt. 10c.

**Gerbera Jamesoni. Hybrida Mixture.** Novelties of the greatest merits, running in colors from white and pinks to the deepest scarlet. 10 seeds 10c.

**Gerbera Jamesoni. "American Daisy."** Grand for cutting with beautiful deep golden daisy-like flowers, three to four inches across. A perennial often introduced. 10 seed, 15c; 100 seed \$1.



Hollyhocks—Chater's Prize

### GODETIAS

As the illustration herewith shows, the very satisfactory plant as a border. These can be had in separate colors of dwarf varieties as follows:

**Crimson Glow Dwarf Bed.** 5c pkt.,  $\frac{1}{4}$  oz. 30c.

**Bijou,** white and rose 5c pkt.;  $\frac{1}{4}$  oz. 25c.

**Gloriosa,** dwarf, dark red, 5c pkt.;  $\frac{1}{4}$  oz. 25c.

**Duke of Fife.** White spotted, carmine. Pkt. 5c;  $\frac{1}{4}$  oz. 25c.

Also for other varieties see further list.

**Golden Feather (Pyrethrum).** This makes a very hardy and satisfactory border. Has yellow feather-like foliage; grows about 8 to 10 inches. Pkt. 5c.

### GOUDRS

Ornamental climbing or trailing plants of great diversity of shapes and colored fruits. They should be planted in early spring. Each 5c per pkt.

**Pipe Gourd.** The variety from which the Smoker's Pipe is made. Pkt. 10c; oz. 30c.

Dish, Rag—two varieties.

Calabash shaped.

Bottle shaped (Lagenaria).

Dipper shaped. Egg shaped.

Hercules Club. (Teddy's Big Stick).

Market Gourd.

Balsam Apple (Mormodica).

Balsam Pear (Mormodica).

All varieties mixed pkt. 5c; oz. 10c.

Collection of 8 varieties, 25c.

**Golden Glow.** See "Rudbeckia."

**Golden Rod.** See Solidago.

### GODETIAS

Godetias are splendid free-flowering annual for summer bedding, with heads of cup-shaped flowers, blooming for a long period. The flowers when cut retain their beauty for some days in water. The flowers make a magnificent display when grown in masses.

Each variety, pkt. 5c; oz. 35c.

**Godetia Duchess of Albany.** Dwarf, pure white. Grows about 1 ft. high. Extra fine; a new dwarf variety of beautiful habit and form. Pkt. 10c.

**Godetia Mixed Tall Varieties**

**Godetia Mixed Dwarf Varieties.**

### GYPSOPHILA

"Baby's Breath"

Perfect free flowering elegant plants, succeeding in any garden soil. Their misty white panicles of bloom are largely used for mixing with other cut flowers. (See cut *Centaurea*).

**Gypsophila paniculata New Double.** An extremely attractive addition to this old favorite. A variety of great merit, coming fairly true from seed of perfect little double florets. Pkt. 25c.

**Gypsophila elegans alba Grandiflora.** This is an improved large-flowering, pure white form of the annual Baby's Breath of *G. elegans* growth, and grown by the acre in the suburbs of Paris and London for use with other cut flowers. Several sowings should be made during the season to keep up a supply. Per oz. 30c; pkt. 5c.

**Gypsophila paniculata.** White flowers, fine for bouquets; one of the favorite hardy perennials, blooms first year if sown early, 2 feet. Per  $\frac{1}{4}$  oz. 15c; pkt. 10c.

**Hypericum.** (St. John's Wort.) Mixed varieties. One of the best hardy perennial bushy shrubs we list. Always in bloom, mostly of a clear yellow color, with long crimson anthers and yellow stamens. Pkt. 10c.

**Heffleria.** New Giant-flowered hybrid mixed with all colors, from very light blue to dark blue. Blooms in very large clusters and grows much more robust than the old variety. Pkt. 10c.

### HOLLYHOCKS

Hardy perennials, biennials, mostly treated as the latter, but most of them if planted in early fall or winter will bloom within the year. "Hybrids" or Allegheny species will bloom first year without trouble.

The double German and Chater's superb strains are best treated by sowing seed in spring or summer for next year's blooming.

These are all garden favorites and are known to everyone, and we recommend them for showy effect in the background of borders. There is nothing that can surpass them but remember they grow from 5 to 9 feet high.

**Allegheny.** Semi-double. Mixed colors, with fringed flowers. Pkt. 10c.

**Hollyhocks.** Giant Double German. In good mixture. Pkt. 15c.

**Chater's Superb Prize,** a fine class crepe-like flowers. Pkt. 15c.

**Helopsis Pitcheriana.** A perennial with flower similar to the sunflower—bright yellow—fine for cutting and borders. Pkt. 10c.

**Heumelinum Superbum.** A tall growing perennial with yellow flowers; fine for cutting. Pkt. 10c.

**Helianthus (Sunflower).** A large double variety. Pkt. 5c.

**Heuchera.** Everlasting Flower. Very fine class.

H. Bracteatum. Fine mixed, 5c.

H. Monstrous. Very large flowers, 10c.

**Limonium Grandiflora.** (Scarlet Flax). Pkt. 5c.

**Linum flavum.** Yellow Perennial Flax, growing 3 to 4 ft. Very attractive herbaceous shrub. Pkt. 10c.

**Linum Perenne.** Blue Flax, 2 ft. Very good for cutting. Pkt. 5c.

**Leucanthemum Maximum.** New Shasta Daisy, Triumph claimed to be an improvement on the old Shasta Daisy. Pkt. 15c.

**Lentibularia Leonurus (Lion's Ear or Tongue).** A very attractive yellow flower, Herbaceous Perennial, 2 to 3 ft. Perfectly hardy here, and highly recommended for holly border. Pkt. 10c.

**Lunaria.** An old garden favorite, cut when the seed pods are young and dry. They are largely used in this way for bouquets. Pkt. 5c.



Giant Yellow Tulip Poppy

**Impatiens Sultan.** Hybrids; finest mixed. A very useful plant for bedding. 10c.

**Jerusalem Cherry.** See Solanum.

**Kochia Trichophylla. (Summer Cypress)** Forms highly decorative bushes, foliage green, turning to red in autumn. Pkt. 10c.

**Lupins (Lupinus).** Fine for bedding. 5c.

— Hybrids, mixed varieties.

— Hybrids, Nanus, dwarf mixed.

— Hybrids, tall sorts, mixed.

**Larkspurs.** See Delphiniums.

**Linaria Maroccana Excelsior.** New hybrid of this free blooming annual in varied colors, such as dark, violet, blue, yellow, orange, and crimson, and shades of yellow. They make a fine show in masses sown out of doors. Beautiful for bouquets. Lasts 10 days. 10c pkt.

**Linaria Aparinoides.** Golden Gem. 10c.

**Linaria Bipartita (Elegans).** White. 5c.

**Lathyrus Latifolius "White Pea."**

"Hardy Everlasting Pea." A grand new snow white variety with flowers double the size of the old type and produced in very large trusses of from 8 to 20 on a stem, blooming most all season. Plant is of most robust habit and is sure to become very popular not only as an climber, but as a cut flower. Pkt. 10c.

**Lathyrus Latifolius.** Perennial pea. White, pink and red. Each per pkt. 5c. Mixed pkt. 5c.

**Liatris.** See California Wild Flowers.

#### HUNNEMANIA Fumariaefolia Giant Yellow Tulip Poppy

This is by far the best of the poppy family for cutting, remaining in good condition for several days. Seeds will start in March. By the middle of July, produce plants covered with their large buttercup yellow, poppy-like blossoms, and never out of flower until hard frost.  $\frac{1}{4}$  oz. 25c; 10c per pkt.

#### LOBELIA

A small growing plant largely grown for borders and baskets. The dwarf kinds for border and the training kinds for baskets.

**Lobelia Crystal Palace.** Dwarf, deep blue bronze foliage. Pkt. 10c.

**Lobelia Pumila.** Dwarf, bright blue, white eye. Pkt. 10c.

**Lobelia Emp. William.** Dwarf, light bright blue. Pkt. 5c.

**Lobelia Gracilis.** Trailing bright blue. Pkt. 5c.



**Lobelia—Compacta growing for seed—Useful for Borders**

**Lobelia.** Royal purple. Dwarf, purple blue. Pkt. 10c.

**Lobelia.** White. Dwarf. Pkt. 10c.

**Lobelia Hybrida Sapphire.** The new trailing Lobelia, fine for hanging baskets or window boxes. Flowers are a clear deep blue with white eye. Bloom in about 4 to 5 months after planting. Pkt. 10c.

**Lobelia Hamburgiana.** A very beautiful trailing variety similar to Sapphire. Fine for hanging baskets or window boxes. (Blue). Pkt. 10c.

**Marguerite.** "Paris Daisy." Largely used as a bedding plant; also for hedge; always in bloom. Pkt. 10c.

#### MARIGOLDS

**Culture:** The seed may be sown most any time and the plants picked off into a good rich compost. The great point is to secure strong healthy plants which may be expected to produce large fine blooms. If blooms are required for exhibition, not more than four branches should be allowed on each plant, and only one flower on each branch.

The African class is the taller growing and largest flowers, globular in shape or like a puff ball. The French class are very satisfactory for dwarf bedding. Flowers are not quite so large.

#### NEW AFRICAN MARIGOLDS

**Marigold.** **Golden Ball.** This is the extremely double curled and twisted petals, making a perfect double ball. Pkt. 10c.

**Marigold.** **New Lemon Ball.** Very full and double like above except in color. Pkt. 10c.

**Marigold Dwarf French Double Mixed.** Pkt. 5c.

**Marigold Dwarf French Single.** Pkt. 5c.

**Marigold Dwarf Legion of Honor.** A very dwarf single, extremely showy, bedding plant. Pkt. 5c.

**Marigold Tall Double African.** Finest Mixed. Pkt. 5c.

**Marigold (African) Orange King.** Yellow. Pkt. 5c; oz. 20c.

**Marigold (African) Lemon Queen.** Clear lemon. Pkt. 5c; oz. 25c.



**Linaria—Fine for Bouquets**

#### MYOSOTIS (Forget-Me-Not)

**Palustris Semperflorens.** A perennial variety that is hardly ever out of flower; useful in a shady spot in the border and for forcing for cut flowers in the winter. Pkt. 10c.

**Alpestris — robusta — grandiflora.** The large perennial, spring flowering Forget-Me-Not, with intense sky blue flowers, bright and attractive. Pkt. 10c.

**Myosotis Stricta.** "Blue Gem." Very distinct, upright habit; fine for cutting. Pkt. 10c.

**Myosotis Dissitiflora.** Very early, large deep blue flowered variety. Pkt. 10c.

#### NEW MYOSOTIS, OR "FORGET-ME-NOTS"

**The Sylph.** A new silvery-white flowering Forget-Me-Not of compact dwarf growth. The clusters of flowers are carried on longstems, well above the foliage. Pkt. 10c.

**Myosotidium Nobile.** "New Zealand Forget-Me-Not." This beautiful Forget-me-not is known as the Chatham Island Lily. Pkt. 10c.

#### MIGNONETTE

We can highly recommend our various strains of this fine flower. Mr. F. D. Bassett, a critical grower, says of our Mignonette "Goliath" "It is by far the largest and finest I ever saw in mignonettes." And his many orders testify to its superior quality.

**Mignonette Golden Queen.** Pkt. 5c; oz. 40c.

**Mignonette Ruby Red.** A very attractive variety. Pkt. 10c.

**Mignonette Sweet,** large flowering. Pkt. 5c; oz. 35c.

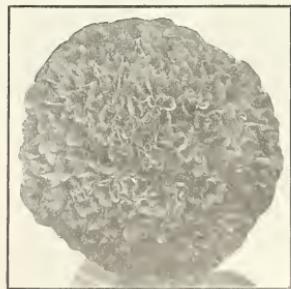
**Allen's Defiance.** A fine strain of giant flowered, white variety. Pkt. 5c; oz. 40c.

**Paris Market.** A great favorite for cutting, having large spikes. Pkt. 10c; oz. 40c.

**Tricolor Machet.** One of the finest for florist use; large spikes of beautiful colors; orange to red. Pkt. 10c; oz. 40c.

**Giant Pyramidal,** an upright grower with large spikes. Pkt. 10c;  $\frac{1}{4}$  oz. 20c.

**Goliath.** This is by far the best Mignonette, surpassing even our selected strain of Giant Machet. The plants grow in fine pyramidal bushes standing in great contrast to the spikes with the bright red of the flowers. The flower stalks are tall and strong, while the spikes are often 7 in. long and 2 in. in diameter. Mignonette delights in very rich (not freshly manured) soil, and requires watering. Pkt. 10c;  $\frac{1}{4}$  oz. 20c.



**New African Ball Marigold**



New African Flower

**NEMESIA STRUMOSA SUTTONII**

A new flower of recent introduction, with remarkable colorings in delicate shades—tigered, blotched and striped—coming in blues, orange, pinks, with beautiful variegated leaves. Grows 9 to 12 in. high; perfectly hardy here; plant in early spring in seed bed and transplant blooms in 3 to 4 months. Pkt. 25c.

**Nemnesia—Blue Gem.** A beautiful dwarf Nemnesia growing 6 to 8 inches of clear blue shade; fine for borders; by some considered equal to Lobelia. Pkt. 25c.

**Moon-ort.** See Lunaria.

**Mourning Bride.** See Scabiosa.

**Nemophila Insignis.** Baby Blue Eyes. A California native of great merit for sowing broadcast in shrubbery or in bulb beds. Pkt. 5c; oz. 20c; lb. \$2.00.

Forget-Me-Not—*Myosotis Robusta Grandiflora*

**Nigella (Love-in-a-mist).** An old garden favorite. Pkt. 5c.  
**Oenothera.** Evening Primrose. Annual sorts. Mixed. Pkt. 5c.  
**Phacelia Campanularia.** Annual of great merit, very hardy and most valuable on account of the beautiful pale blue flowers which are borne in clusters. Fine for cutting. Pkt. 10c.  
**Painted Daisy.** See Annual Chrysanthemum.

**NASTURTIUM—Tall Sorts**

Any of the following 5c per pkt., 15c per oz.,  $\frac{1}{4}$  lb. 40c, except where noted.

**Atropurpureum.** Crimson.

**Chameleons.** A splendid mixture, producing different colored flowers on a plant. Ours is the true strain and extra selected.

**Coccineum.** Bright scarlet.

**Jupiter.** Best and largest yellow.

**King Theodore.** Rich deep red, dark foliage.

**Luteum.** Yellow.

**Pearl.** Whitish, also called "Moonlight."

**Venustus.** One of the most gorgeous fiery rose imaginable.

**Spitfire.** Brilliant scarlet.

**Brilliant.** Dark scarlet.

**Golden Queen.** Yellow.

**Ivy-leaved.** Scarlet.

**Lion.** Large dark scarlet.

**King of the Blacks.** Black-brown.

**"Fire-fly."** Dark orange, spotted and flamed blood-red; the spur is also blood-red; foliage and stems dark.

**Pineapple.** Cream white with brown spots, large flowered.

**Tall Sorts in Finest Mixtures.** 1 lb., \$1.50.

**NASTURTIUM—Dwarf Sorts**

All sorts. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c.

**Aurora.** Deep chrome yellow blotched carmine.

**Chameleons.** Mixed new.

**Cloth of Gold.** Flowers scarlet, foliage yellow.

**Coccineum.** Bright scarlet.

**Crystal Palace Gem.** Sulphur, spotted maroon.

**Dark Crimson.** Rich color, green foliage.

**Empress of India.** Deep crimson, dark-leaved.

**King of Tom Thumbs.** Scarlet, dark-leaved.

**King Theodore.** Rich red, dark bluish foliage.

**Ladybird.** Golden yellow, barred with ruby crimson.

**Peach.** Peachish.

**Ruby King.** A peculiar, blue-tinted Ruby.

**Spotted.** A handsome sort.

**Yellow.** (Luteum.)

**Dwarf Nasturtiums.** All colors mixed.

Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.50.

**Fancy and Variegated Leaved Varieties**  
**Golden Cloth.** The foliage is of a bright yellow, while the flowers are intense scarlet. 1 oz. 15c.

**Ivy-leaved.** Deep green leaves of distinct ivy-form. The flowers are beautifully fringed at the edges of the petals and at the throat. 1 oz. 15c.

**Queen of Tom Thumbs.** Produce flowers of a rich bright crimson which forms a very pretty contrast to the silver variegated foliage, and is strikingly handsome and useful for cutting or pot culture. 1 oz. 15c.

**Collection of 10 Different Nasturtiums.** Our selection. 1 pkt. each. 40c.

**Collection of 10 Tall Nasturtiums.** Our selection. 1 pkt. each. 40c.

**POPPIES**

(Annual and Perennial)

**Poppy—Alpinum.** A hardy biennial blooming first year. We offer these in the mixture as white, yellow, orange, Chrysanthemum, etc. Pkt. 5c.

**Great Shirley.** A great advance in single-flowering annual poppies. The flowers are immense, often measuring 3 to 5 inches across, the petals

are fluted and crinkled and in the sunlight appear like ruffled satin. The plants are well branched, about 24 inches high, and they bloom in continuous succession for weeks. There are white, white-veined, pink with splashed crimson, rose-blush, scarlet, and many splashed, striped, dotted and edged, etc. Pkt. 5c; oz. 25c;  $\frac{1}{2}$  lb. \$1.00.

**Poppy—New Giant Double Shirley**

(Holland's English strain). A very superior class of poppies; large flowers; if cut before bud opens they last several days. Pkt. 10c; oz. 40c.

**Poppy—Double Cardinal.** One of the most showy varieties grown; large flowers; 4 to 6 inches across, and when cut before bud opens lasts for days; color is a rich deep pink; no trace of Magenta—plants are semi-dwarf (about 3 ft.), and very robust. Pkt. 10c; oz. 40c.

**New Giant Oriental Poppies.** Among hardy perennials these hold an unrivaled position for gorging effectiveness. The flowers are hardy, large flowers; height 2 to 3 feet; flowers immense, often 6 inches across. Colors, salmon, fiery scarlet, rose, lilac and copper colored, pink-blotted, purple, blood-red, etc., patches of pink, orange, etc. Mixed colors. Pkt. 10c.

**Poppy Danziger.** A brilliant scarlet with white center. Pkt. 5c; oz. 25c.

**Poppy Mikado.** Double white with deep rose edge. Pkt. 10c.

**Poppy Miss Sherwood.** A pure satiny single white. Pkt. 10c; oz. 20c.

**Poppy Admiral.** Large single white with scarlet edging. Pkt. 10c.

**Poppy Double Shirley.** Improved fancy strain, can't be named. Poppy on account of their striking resemblance to that flower. The lasting qualities are very good. Pkt. 5c; oz. 20c.

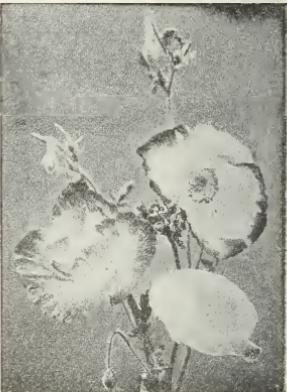
**Poppy Philip (Glaucum).** A large single-flower of vivid scarlet, very hardy and good for sowing in fall and winter. A bed of these makes a gorgeous sight. Pkt. 5c; oz. 25c.

**Poppy "Carnation."** A tall class of double flowered Poppies. Pkt. 5c; oz. 20c.

**Poppy Giant English Scarlet.** A finer new scarlet flowered single, fine for bedding. Pkt. 5c; oz. 20c; lb. \$2.50.

**Poppy—Pompon.** A new variety. Best mixed (new). Very free blooming; small flowers very double; size of Pompon Dahlias; fine for bedding. Pkt. 10c; oz. 35c.

**Poinsettia.** Christmas flower. Five seed 10c.



Shirley Poppy

**Pentstemon.** Very ornamental plants that make splendid borders. Flowers, etc. They bloom practically the whole year. The half-pendant bell-shaped flowers show beautiful shades and markings of scarlet, pink, white and blue. Sow in cool, shady bed and transplant. Perfectly hardy in most any situation.

**Pentstemon.** Mixed. Handsome sorts. 10c.



Pentstemon

**Portulaca.** "Moss Rose." is most desirable for borders or parkways as it stands great heat and drought, must not be sown till warm weather.

**Portulaca (Moss Rose).** Giant flowered. Double mixed. Pkt. 10c.

**Portulaca Grandiflora.** Single mixed. Pkt. 10c.

**Portulaca Grandiflora.** Single white. Pkt. 10c.

**Portulaca Grandiflora.** Single red. Pkt. 10c.

**Portulaca Grandiflora.** Single pink. Pkt. 10c.

**Portulaca Grandiflora.** Single scarlet. Pkt. 10c.

**PHLOX—DRUMMONDI**  
(Flame Flower)

The Annual Phloxes are dazzling in effect, particularly so when sown in masses or ribbon beds of contrasting colors. Few flowers are so easily grown from seed and if given good soil and care can be grown throughout the year—and do as well in winter as any of our bedders.

#### Large Flowering

The large-flowering kinds are a decided improvement on the Common Drummondii, producing flowers twice the size of the latter, in the most brilliant colors imaginable.

All. Pure white, extra large.

**Intense Scarlet.** Pure white.

**Rosy Cuquine.** White eye.

**Rosea.** Pink, white eye.

**Vivid Crimson.** Large white eye.

**Large Yellow.** A very fine color, quite novel and distinct; fine flower.

**Scarlet Striped.** Beautiful.

**Black Brown.** The darkest of all.

**Stellata Splendens.** Clearly defined white star, contrasting strikingly with the vivid crimson of the flowers.

**Alba Oculata.** Pure white, claret eye. Cream Color. New.

**Sky-Blue.** Striped white.

**Dark Salmon-Rose.**

Any of the above packets. 10c. 3 for 25c.  $\frac{1}{2}$  oz. 15c.  $\frac{1}{4}$  oz. 30c; oz. 85c.

**Large Flowering Phlox in Splendid Mixture.** Includes all the above and many other shades and colors. Pkt. 250 seeds. 10c.  $\frac{1}{4}$  oz. 25c.

**Phlox Large Flowered Dwarf Snowball.** Fine white. Pkt. 10c.

**Phlox.** Large fl. Dwarf Fireball. A deep scarlet. Pkt. 10c.

**Phlox Decussata.** The Perennial Phlox. Planted early in season blooms first year, and after blooming cuts stem down, and they frequently bloom again the same year. Pkt. 10c.

**Pennisteum Japonicum.** "Hardy fountain grass." Growing 2 to 4 feet high, it is extremely showy; on border or for center of bed, has long purplish colored flower heads, which are nice for cutting. Pkt. 5c.

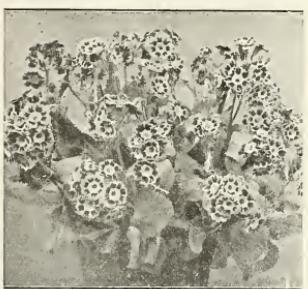
#### PLATYCODON (Chinese Bell Flower)

One of the best hardy perennials, producing very showy flowers the whole season. They form large clumps, and are suitable for cutting, permanent borders or among shrubbery, easily raised from seed, which begins blooming in August if sown outdoors in April.

**Platycodon (Balloon Flower, or Japanese Bell Flower).** Arguably allied to the Campanulas, and form neat, branched bushes of upright habit.

**Grandiflorum.** Large steel-blue flowers.  $\frac{1}{4}$  oz. 25c; pkt. 5c.

**Album.** Pure white variety.  $\frac{1}{4}$  oz. 25s; pkt. 5c.



Platycodon

#### PRIMULA (Primrose)

The charming and beautiful Chinese Fringed Primroses and Oboconica varieties are indispensable for indoor or spring decorations in the home or conservatory. They are one of our most important winter-blooming pot plants. The seed we offer is of the highest merit, and has, as usual, been saved from the best strains of English and Continental growth. Florists and others report that they have never seen finer flowers than those produced from our seed. Sow in January, February, March, April or May. The hardy varieties are also deserving of wide cultivation.

**Large Flowering Chinese Primroses, Choicest Mixed.** This mixture contains nothing but the finest fringed free-flowering sorts, and cannot fail to give the most brilliant display. Pkt. 25c.

**Oboconica Grandiflora.** A profuse bloomer, bearing on long stems heads containing 10 to 15 flowers. Pure white, shading to lilac. Pkt. 25c.

**Primula Malacoides Rosea (Baby Primrose).** This is the freest-flowing primula we know of. The little plants throw up tiny flow-



Primula Malacoides

er stalks when only a few weeks old. These should be pinched off and the plants kept growing until October, and then potted in small pots in which they produce their sprays of beautiful rosy-lilac flowers in seemingly never-ending profusion. Pkt. 25c.

**Primula Cortusoides Sieboldi.** (Japanese Primrose). These are not so well known as they deserve, being free-growing with dark green foliage, and throw up in late spring innumerable stems of large flowers, varying in color from pure white to rich crimson. They succeed under the same conditions as the common hardy Primroses, and are also useful for forcing under glass, making beautiful pot plants. Pkt. 15c.

**Vulgaris (English Primrose).** Flowers fragrant, canary-yellow color  $\frac{1}{4}$  oz. 60c. Pkt. 15c.

**Primula Minutoides.** A new hybrid Primula which has become immensely popular on account of its hardy nature and free flowering, growing in habit similar to Oboconica but is considered either a light lilac or pure white. Pkt. 15c.

**POLYANTHUS (Primula Elatior)** Shows early spring free-flowering plants, fine for either pot or outdoor culture; hardy perennial; 9 inches, English. The best single; all colors mixed. Pkt. 10c.

#### COWSLIP (Primula Veris)

A beautiful hardy spring-flowering perennial; flowers of different colors, such as yellow, brown-edged yellow, etc. Very fragrant, 6 in. Pkt. 10c.



Primrose (Primula) Oboconica



PANSY—Orchid Flowered

## PANSIES

Our Pansies are the best strain we can secure and our many years' experience with this plant assists us in selecting the best sources for our supply and the blending of varieties for our many mixtures. We have exhibited these at many shows and believe there are none to surpass them in size and beauty. Our mixtures are fine, and we know cannot be surpassed anywhere.

**Cultural directions.** Plant the seed in July and August under cloth cover, for fall and winter blooming; or in late fall, for spring flowering. The seed should be sown very lightly, not over  $\frac{1}{8}$  inch, and kept cool and damp. When large enough, transplant.

**Collection of 12 Giant Pansies.** This collection contains one packet each of 12 of the largest and most beautiful Pansies in cultivation. Price 90c.

**Masterpiece Giant Red-flowered Pansies.** A remarkable strain of Giant Pansies, the flowers are so large and full that the broad petals seem to be "gathered" to the stem, causing them to be undulated and fluted from center to circumference, not unlike "filled" velvets. The flowers are extraordinarily large and are borne on strong stems well above the foliage; they are all five-blotted on the "Orchid" pattern and contain rich combinations of coloring. The plants are vigorous and large, and flower abundantly. Mixed colors.  $\frac{1}{4}$  oz. 60c; oz. \$5.00; pkt. 25c.

**Morris & Snow Superb Giant Prize Pansies.** A distinct new type of Pansies of greatest merit. The flowers are of giant size and are borne in profusion—well-grown they measure 3 to  $3\frac{1}{2}$  inches across—and of most gorgeous effects, blotched, spotted, marbled, veined, striped and banded, combining three rich reds, rose, pink, white, purple, in beautiful and indescribable variegation. Mixed colors.  $\frac{1}{4}$  oz. \$1.00; 1 oz. \$8.00; pkt. 25c.

**Mammoth Parisian Pansies.** The Parisian Pansies are distinguished by their magnificence and varied colors and strong markings. There is usually a large "blotch" on each of the five petals with a surrounding band of some strikingly contrasting color, over which is often a cobweb-like netting of yet another hue. Mixed colors.  $\frac{1}{4}$  oz. 60c; pkt. 25c.

**Pansy, Steele's New Mastodon.** An extremely large strain of grand colors. An elite mixture. This strain is grown in Oregon and the past seasons have produced some of our trials. We recommend it as equal of any European strain. Pkt. 25c.

**Pansy, New Giant Exhibition.** This strain is the finest and largest pansy grown. Grows to immense size, and

mostly used for exhibition purposes. While it does not produce such quantity of blooms, they are wonderful in size. Pkt. about 250 seeds, 50c.

**Pansy, New Giant Orchid Flowered.** Light. This class is probably not so large as others, the colorings are more delicate, and it once reigned one of a Cattley Orchid. They are all of delicate light colors. Pkt. 25c;  $\frac{1}{4}$  oz. 60c.

### Pansy Mixtures

All colors, mixed. Pkt. 5c; oz. \$2.50. English Show (Faced) Varieties, mixed. Pkt. 10c;  $\frac{1}{4}$  oz. 40c.

Trimardeau's. All colors mixed. (True Giant). Pkt. 15c;  $\frac{1}{4}$  oz. 65c.

### PANSIES

#### In named and separate colors

Last season our strains of Pansies were praised above everything grown for the market.

Pkt. 10c;  $\frac{1}{4}$  oz. 60c.

**Giant Auriculaeflora.** Rare shadings with eye.

**Giant Azure Blue.** Light blue.

**Giant Fireking.** Bright red and yellow.

**Giant Indigo Blue.**

**Giant King of the Blacks.**

**Giant Lord Beaconsfield.** Purple, shading to lavender.

**Giant Pure Yellow.**

**Giant Pure White.**

**Giant White.** With eye; white flowers with large, deep violet spots on each of the lower petals.

**Giant Yellow.** With dark center.

**Giant Striped.** The perfection of all striped varieties, handsomely flamed or striped in rich contrasting colors. Giant Golden Queen. Pure yellow.

### PETUNIAS

Once fairly started, the Petunias grow almost as easily as weeds and furnish bloom the entire year. The large-flowered Petunias are very beautiful and of almost endless variety. The name of the Double and Giant-flowered Petunias is made expensive by the great amount of labor involved in hand-fertilization, and it is well to handle seed and tiny seedlings with some care. Sow the seed in boxes of fine soil, and cover with sacking cloth or glass at any time of the year. The common varieties may be sown broadcast where they are to grow, although they may be treated the same as the more tender sorts. When they are

large enough, transplant about one foot apart in garden beds. The seed of the double varieties has not so much vitality as that of the single sorts and needs a little more care in watering to insure good germination. We have no better plant for borders, window-boxes, baskets and vases. They will grow in almost any soil and bloom profusely through long droughts. The newer varieties are of very brilliant colors.

**Petunia Hybrida.** Mixed. Pkt. 10c.

**Petunia Hybrida.** Inimitable Howard's Star. Pkt. 10c.

**Petunia Large Fl.** fringed single variety, superb mixed. Pkt. 25c.

**Petunia Fringed large flowered double;** quality unsurpassed. Pkt. 50c.

**Petunia Giants of California.** A superb strain of single large flowered giants, ruffled and fringed. Pkt. 25c.

**Petunia Hybrid.** Double; mixed colors. Pkt. 25c.

**Phormium, Tenax.** New Zealand hemp. A very ornamental plant with long sword-like leaves. Propagated by easy growth; very ornamental for subtropical garden. Easily grown. Plant in bed or seed box and transplant. Pkt. 10c.

### PYRETHRUM

**Hybridum Double.** Too much cannot be said in favor of this grand hardy Pyrethrum. It is a plant which thrives in any good garden soil where there is good drainage and full exposure to the sun. Their main season of blooming is in June, but if the old flower stems are removed, it will give a half continuous of flower in the autumn. The bloom is similar to that of an Aster, and ranges in color from pure white, and the various shades of pink and red to deep purple. Splendid for cutting, lasting a week in good condition. Pkt. 10c.

**Pyrethrum Roseum.** Largely used for cutting like Margarets. 10c. Pkt. 10c.

**Pyrethrum Parthenolin.** Golden Feather. Largely used for border around beds. Light yellow foliage. Pkt. 5c.

The Pyrethrum is the plant from which is manufactured the many brands of insect powders—such as Dalmatian, Buhach, Persian Insect Powder, etc., according to the company making same. The P. Roseum is the principal variety used, and a few plants of this in the garden is recommended.



Single Fringed Petunias—"Giants of California"

**Rehmania Angustifolia** (Perennial Calceolaria). A hardy perennial, introduced from China a short time ago. Closely related to our Calceolaria and resembling the Incarvillea Roseopurpurea, the throat tipped with nice red spots. It is a very decorative plant in the true sense of the word, and is well adapted for beds or pot culture. Flowers are produced in great abundance during the entire summer, and is valuable as a cut flower. We offer her some nice new tinged and tigertail hybrids. Per pkg. 10c.

**Rhodanthus Manuleus**. A fine everlasting flower, used largely in bouquets. Pkt. 10c.

**Ricinus Zanzibaricensis**. (Castor Oil Bean). A new variety with immense leaves. 5c.

**Rudbeckia Neumannii**, "Golden Glow." Vivid yellow, semi-dwarf in habit, very free and long bloomer, with very bright spikes of flowers. Pkt. 10c.

**Ruber Tuberosus** (New). A very bushy and rich flowering perennial should be planted under glass or frames in early Spring. The numerous Begonia-like flowers of clear blue color, which stand well above the foliage, are very striking. Early planted seed commence flowering in July and last till Christmas. Pkt. 10c.

#### ROSELLA or Lemonade Plant

**Hibiscus Sabdariffa**, Jamaican Indian Sorrel. This is the plant that furnishes the "Roselle Hemp" of the Madras Territories where it is called Roselle. In the West Indies it is used for making cooling drinks and jellies. Pkt. 10c; oz. 30c.

#### SALVIA (Scarlet Sage)

**Salvia Splendens** or scarlet sage, is a standard bedding plant that keeps the garden bright with color all year through. This plant lends itself to many uses. It makes a good border plant, does well in window boxes, and is useful for cutting to give color. Its best use, however, is as a hedge or border plant, where long, broad bands of intense color are desirable. Best to plant seed in bed or box and transplant when large enough. Pkt. 10c; 1/4 oz. 40c.

**Clarke Bedman (Bonfire).** The plants form handsome globular bushes about 2 feet in diameter. The spikes grow erect and stand clear above the foliage, completely covering the plant and are a most brilliant dazzling scarlet. Pkt. 10c.

**Clarke Bedman (Bonfire).** The plants form handsome globular bushes about 2 feet in diameter. The spikes grow erect and stand clear above the foliage, completely covering the plant and are a most brilliant dazzling scarlet. Pkt. 10c; 1/4 oz. 50c.

**Salvia**. Precious New Dwarf, large flowered, early blooming scarlet sage much more dwarf in habit than most others. And commences to bloom when only 4 to 6 inches high; flower heads are large and of brilliant scarlet. Pkt. 10c; 1/4 oz. 50c.

**Salvia**. Giant Powered Dwarf. A new strain of sage, of very dwarf compact habit with very large flower heads. Brilliant dazzling scarlet. Pkt. 10c; 1/4 oz. 50c.

#### SCARIOSA

**Scabiosa Maxima**, The "Sweet Scabious" or "Mourning Bride" of old gardens, but much improved in size, colors and doubleness. Many of the flowers measure 6 to 9 inches in circumference, are double clear to the center, and have long stems. They are very free bloomers and effective for garden decoration, and valuable for cutting; annuals. Height 1 1/2 to 2 ft.

**Scabiosa**—New Silver Lavender. A great improvement on the old lavender, in fact one of the grandest of all the class; clear color without any trace of rose. Pkt. 10c, oz. 50c.

**Scabiosa**—Large, double, white.

**Scabiosa**—Large, double, white and lilac.

**Scabiosa**—Large, double, cherry red.

**Scabiosa**—Large, double, bright red.

**Scabiosa**—Large, double, purple.

**Scabiosa**—Large, double, mixed.

Each 5c per pkg. 6 for 25c.

#### Hardy Scabiosa

**Scabiosa Japonica**. New hardy perennial Scabiosa from Japan forming large bushes 2 1/2 to 3 feet in height and breadth, with elegant light green foliage. Flowers 2 to 2 1/2 inches across on long wiry stems from 15 to 20 inches in length, of a beautiful mauve or lavender blue. The plants, extremely free-flowering, produce their lovely flowers continuously from the end of June until late in the autumn. Pkt. 10c; oz. 75c.

#### SWEET WILLIAM (Dianthus)

The old popular garden favorite, should be planted before October 1st in order to bloom the following spring, as it is a Biennial and will not bloom the first year.

**Sweet William**, New Giant early flowering hybrid. Blooming 3 to 4 months from planting. Among many flowers of recent introductions, there are none that have attracted more attention than this wonderful novelty. A true hybrid crossing time of old English or Sweet William and Dianthus Lacinatus (or Annual Pink), and range of colors are wonderful; every color found in either class. Pkt. 10c.

**Sweet William, Auricula-Eyed.** This is a magnificent strain of this old-time popular plant, growing 12 to 18 inches high, blooming in large heads—of the most brilliant shades which blend so perfectly, all having the eye very prominent. A border or bed planted with these will give great satisfaction. Pkt. 10c; 3 for 25c.

**Sweet William.** Fine single mixed. 5c  
pct.

**Sweet William.** Fine double mixed. 10c  
pct.

**Solanum Grandiflorum** "Cope d'oro" (Cup of Gold). For the first time that we have been able to offer the seed of this wonderful climbing vine, which is so admired by everyone. Flowers are very large, often 8 inches across. Pkt. 15c.

#### STREPTOSOLEN JAMESONI (Madame Modjeska Heliotrope) (Brownalla)

Very largely grown in Southern California as a half climbing shrub and is quite common in Pasadena gardens. Deep orange yellow, and,



Spray of Our Grand Strain of Auricula Foyer Sweet Williams

blooms in great profusion. A very desirable plant, to be treated like Heliotrope. Pkt. 10c.

**Santolina (Lavender Cotton).** Chamaesyce caerulea. Largely used in Los Angeles as a border or edging plant easily sheared to shape as a low small hedge. Six inches high. Pkt. 10c.

**Stevia Serrata.** Largely used for bouquets. A very easily grown perennial, and used for mixed bouquets. Pkt. 10c.

**Solanum Hendersoni.** Jerusalem Cherry. Thousands of these plants are used at holiday season for decoration. They bear in great abundance small Cherry Capsicum, which see. Pkt. 10c.

**Swainsonia**. This is an Australian plant of the pea family, growing 2 to 3 feet high and is very fine for cutting. Perennial.

**Swainsonia White.** Pkt. 10c.

**Swainsonia Rosa.** Pkt. 10c.

**Shamrock.** The True Irish Clover used for centuries for decorating on the 17th of March, St. Patrick's Day. Grows as readily as clover. Pkt. 10c.

#### SUNFLOWER (Helianthus)

**Sunflower, (New Red-flowered).** Coming very fairly true to color, and is very attractive for cutting, lasting for days. Pkt. 10c.

**Sunflower, Large Double Globe.** Very showy on border or in back of beds. Pkt. 5c; oz. 25c.

#### STATICE (Sea Lavender)

Most valuable plants either for the border or rockery, with tufts of leathery foliage. Immense heads of like panicles of minute flowers, producing a remarkable effect; grows from 16 to 18 inches high, and blooms from May until September.

**Statice Cuspidata (New).** One of the finest of the many varieties. Smaller flowers than Latifolia, and of more delicate appearance in bouquet work. Makes up beautifully with other flowers, can be cut and dried for future use. Will last for months. Pkt. 10c; oz. \$1.00.

**Statice Arborea.** Tall-growing variety with lavender-blue flowers on very long stems. Pkt. 10c.

**Statice Latifolia** (Great Sea Lavender). Immense heads, 2 to 3 feet across, of deep blue flowers, which last for months if cut and dried. Pkt. 10c.

We have 8 or 10 varieties of Statice. List on application.

#### SHASTA DAISY SEED

We have a fine lot of clean, plump seed, saved from the best flowers only. Alaska. Flowers very large, pure white, on long stiff stems. Pkt. 10c.

**Stokesia Cyanescens.** The hardy blue "Cornflower Aster." This beautiful hardy perennial plant is not so well known as it deserves to be. No garden, large or small, should be without it. It is one of the easiest culture, blooming the first year from seed, and succeeding in any open sunny position. The plants grow from 18 to 24 inches high and begin flowering in July, continuing late in October, rendering them highly valuable, and, especially, in a shade of color not often plentiful at any season of the year. Pkt. 10c.

**Stachys Alpina.** A perennial plant resembling Dusty Miller; thick and hairy leaf. Fl. dark rose color; fine bedding or edging plant. Pkt. 10c.

**Stachys Lanata.** A fine silver leaved plant, fine for edging or border. Hardy perennial. Pkt. 10c.

**Torsia Fonscieri.** Fine mixed. Blue. 10c.



Salpiglossis—Giant Emperor

**Salpiglossis, New Emperor.** This strain is a very great improvement on the older types. It has increased size of flowers, their improved shape, and larger variety of colors, and more than all else in their singularly beautiful veining of gold. These are the only flowers, to our knowledge, that show a glint of gold in their coloring. Pkt. 10c, oz. 75c.

**Salpiglossis, Giant superb strain.** A wonderful improved strain with giant flowers in magnificent mottlings and colorings. We are offering this giant strain in the following separate colors. Pkt. 10c; 1/4 oz. 35c.

Crimson and Gold.  
Dark Scarlet.  
Black (very dark).  
Dark Red.  
Rose and Gold.  
Scarlet and Gold.  
Violet and Gold.  
Yellow.  
Any 6 packages of above 45c.

**Salpiglossis.** Large flowering sorts in splendid mixture. Pkt. 10c; oz. 50c.  
**Solidago Canadensis.** Golden Rod, an old garden favorite. Pkt. 10c.

**Schizanthus. (Butterfly Flower).** An easily grown plant, bearing quantities of gay, butterfly-like flowers, closely resembling some species of Orchids. For winter bloom in pots the Schizanthus is one of the most desirable of all flowers. Pkt. 5c.

**Schizanthus Wisetonensis.** An improved strain, excellent for pot culture and partial shade. Pkt. 10c.

**Spergula Filifera.** Fine little plant for edging. Pkt. 10c.

**Stevia. Mixed;** excellent for bouquets. Pkt. 10c.

**Trachelium—Ceratostylis.** Hardy Perennial 1 to 3 ft. flowers blue or crimson late summer. flower, blooms first year from seed; splendid for using in bouquets as *Gypsophila* is used. Pkt. 10c.

**Thlaspistrum Aquilegiifolium.** "Feathered Columbine." A very hardy perennial growing 4 to 6 feet, feathery like white flowers; fine for bouquets. Pkt. 10c.

### SALPIGLOSSIS

There is no flower we have that has such queer and beautiful markings as this flower. They come in all shades of yellow, also deep golden colors, deep reds, purples and most all have peculiar mottlings and variegations. The plants grow from 3 to 5 ft. high.



Sprays of Our Giant Verbenas

**Trollius.** "King of Buttercups" or Royal Buttercup, or Globe flower. A most beautiful species of hardy perennial. They are rather slow to grow from seed, but are well worth the time and trouble. The plant strongly resembles the perennial Daffodil, but seldom grows over 18 in. high. Treat same, but some shade would be better, and even close to water, as they love boggy soil. New Hybrids. Pkt. 15c.

**Viットадина Triloba.** A beautiful small growing trailing plant for borders or rock work. Perennial with rose pink flowers. Nice for mixed bouquets. Always in bloom. Pkt. 10c.

**Woodruff—See Asperula.**



(Schizanthus) Butterfly Flower

### VERBENAS

This is one of our finest hardy bedding plants, easily grown from seed. We now have all colors separate so one can grow from seed and carry out their color scheme. The seed should be sown in seed beds, and when large enough transplant to permanent place. Cover the seed very lightly, and cover with four coats of musk, with cloth or sacking, or cover the bed with a few branches to shade the ground. All varieties. Pkt. 10c, except when noted.

**Verbena, Mammoth Scarlet Defiance.** A very deep scarlet.

**Verbena, Mammoth. Purple.**

**Verbena, Mammoth. Pink, clear.**

**Verbena, Mammoth. Pure white.**

**Verbena, Mammoth. Auriculaeflora.** with eye.

**Verbena, Mammoth. Italian striped.**

**Verbena, Mammoth. Blue.**

**Verbena, Mammoth. Mixed.**

**Verbena, Mammoth. Fordhook mixed.** **Vinet Rosen.** A splendid little bedding plant well worth growing; blooming all season. Pkt. 10c.

### VIOLETA CORNUTA HYBRIDA

**Admirabilis.** The Tufted Pansies, or Violas, are rapidly coming to the front, and are likely to become as great favorites here as they now are in Great Britain. A plant between the Tufted and Parrot. Greatly improved of late until it has become one of the great European bedding plants. Blooms all the year round. Very much more hardy than the pansy. We have secured the following from European specialists. Pkt. 10c.  
V. Cornuta Perfection. Bonnie Blue. 10c.

V. Cornuta Papilio. Blue and white. 10c.

V. Cornuta White Perfection. 10c.

V. Cornuta. Finest Mixed. 10c.

**Wahlenbergia Grandiflora.** Perennial Canterbury Bell. (*Platycodon*). A fine hardy plant highly recommended, of which we have both white and blue, each, per pkt. 10c.



Single Plant of Giant Nee Stock "Abundance"

## STOCKS

These are among the most popular of all winter blooming flowers. By planting in early summer they will bloom through the winter, or planted in late fall they will bloom through the summer. The Ten Weeks Stocks require about four months to come into perfection, but the Brompton or winter stocks require about seven or eight months, and are both quite hardy in the climate of either for sowing or winter. Seeds should be planted in bed or box, and transplanted—kept in the best of growth to induce double flowers. Do not pick the most rank growth in plants, as frequently these are the singles.

STOCKS—(NICE STRAIN)  
"Cut and Come Again"

**Intermediate** Class. Large flowered, long stems. The "nice" stocks have become the most popular class of any of the common stocks, growing about 2 feet. We recommend this for planting in late spring and summer for winter flowers, but are good for all seasons.

**Abundance.** Very compact growth and branching from the base; the finest stock grown. Deep clear pink. Pkt. 10c;  $\frac{1}{4}$  oz. 50c; oz. \$3.00.

**Silver Liner (new).** The finest of this color. Pkt. 15c;  $\frac{1}{4}$  oz. 50c; oz. \$3.50. **Violet.** Clear violet purple. Pkt. 10c;  $\frac{1}{4}$  oz. 40c; oz. \$3.00.

**Brilliant Red.** Large stems of bloom. Pkt. 10c;  $\frac{1}{4}$  oz. 40c; oz. \$3.00. **Yellow.** "Monte Carlo." A very fine class. Pkt. 10c;  $\frac{1}{4}$  oz. 40c; oz. \$3.00.

**Rose of Nee.** A clear rose color. Pkt. 10c;  $\frac{1}{4}$  oz. 40c; oz. \$3.00.

**Beauty on Nee.** Clear light pink or flesh. Pkt. 10c;  $\frac{1}{4}$  oz. 40c; oz. \$3.00.

**Queen Alandra.** Deep rose pink with mauve shading. Pkt. 10c;  $\frac{1}{4}$  oz. 40c; oz. \$3.00.

**White Nee.** "Mount Blanc." Glant snow white. Pkt. 10c;  $\frac{1}{4}$  oz. 40c; oz. \$3.00.

**Caroline.** Nice "Monaco." A clear, brilliant carmine. Pkt. 10c;  $\frac{1}{4}$  oz. 40c; oz. \$3.00.

**Princess Alice.** A very popular white. Pkt. 10c;  $\frac{1}{4}$  oz. 40c.

**Giant Perfection.** Ten weeks. One of the most popular varieties for cutting; grows tall and branching with

many stems and is called "Cut and come again" Stock. All colors. Pkt. 10c;  $\frac{1}{4}$  oz. 50c; oz. \$3.00.

White.	Lavender.
Dark Blue.	Rose.
Crimson.	Flesh.
Yellow.	Mixed.

**Large Flowering Ten Weeks' Stock.** Growing about 1½ feet high, of very compact growth. Largest of flowers, with very small percentage of singles. This is an excellent strain for bedding. We have the following colors. Pkt. 10c;  $\frac{1}{4}$  oz. 40c.

Crimson.	Pure White.
Purple.	Rose.
Yellow.	Light Blue.
Mixed.	Lavender.

**Stocks, Brompton or Winter Flowered.** The largest flowering of all the stocks but requires 8 to 10 months to bloom from seed. We have this superb variety in the separate colors as follows at 10c per pkt. 3 for 25c;  $\frac{1}{4}$  oz. 50c.

**Stocks Brompton.** White. Stocks Brompton. Bright Rose. Stocks Brompton. Pink. Stocks Brompton. Lavender. Stocks Brompton. Fine Mixed.

**Stocks, Wallflower.** Double spotted; mixed. Pkt. 10c;  $\frac{1}{4}$  oz. 60c. Wallflower; single mixed, 5c pkt.

## NEW GIANT ZINNIA

The public will hardly recognize the old-fashioned flower in this new guise. The flowers are of enormous size, thickly set with velvety petals. The plants are healthy, vigorous, branching freely, and make excellent material for groups or cutting.

**Giant Zinnia**—White. Pkt. 10c. **Giant Zinnia**—Deep yellow. Pkt. 10c. **Giant Zinnia**—Scarlet. Pkt. 10c. **Giant Zinnia**—Mixed. Pkt. 10c. **Giant Zinnia**—Lemon. Pkt. 10c. **Giant Zinnia**—Purple. Pkt. 10c. **Giant Zinnia**—Pink. Pkt. 10c.

**The New Zinnia "Red Riding Hood."** A dwarf growing Pompon (seldom over 10 inches high), making a very compact plant, blooming in 2½ months from seed and constantly in bloom all summer. The most striking border or bedding plant we have



New Statice Caspia

seen. Flowers are perfect little pompons, about 1½ inches across, of brilliant red, very showy and effective. Pkt. 10c; oz. 75c.

**New Yellow Pompon Zinnia.** Counter-part of above but deep yellow. Pkt. 10c; oz. 75c.

**Giant Zinnia—"Pleotée."** A grand new strain mostly in Buff and Bronze shades. The flowers are very large and full, and all have a sort of metallic sheen over the petals. Pkt. 10c.



ZINNIA, New Double Giant-Flowered or Colossal



House Covered with Ampelopsis Veitchii

## CLIMBING PLANTS

**Adenophora Potanini.** A most charming perennial climber, with drooping light blue flowers. Pkt. 10c.

**Adlumia (Allegheny Vine).** A frail evergreen climber. Thrives as a perennial. Stands best in shade, and is a beautiful flowering climber. Pkt. 10c.

**Abrus Precatorius.** A charming climber, with blue flowers, followed by bright scarlet seed with black eye; largely used for beads. Pkt. 10c.

**Ampelopsis Veitchii.** Japanese Ivy. Pkt. 10c.

**Antigonon Leptopus.** (Rosa de Montant). Pkt. 10c.

**Aristolochia Elegans.** (Dutchman's Pipe). Pkt. 10c.

**Australian Pea Vine.** (Dolichos Lignosus). A very familiar plant. Pkt. 10c.

**Asparagus Plumosa.** A useful climber for decorating. 10 seeds 10c; 100 seeds 75c.

**Bignonia Radicans.** Trumpet Creeper. Pkt. 10c.

**Balloon Vine (Love-in-a-Puff).** A rapid growing annual climber; succeeds best in light soil and warm situation; flowers white; seed vessels look like miniature balloons and of great interest to children. Per oz. 25c; pkt. 5c.

**Canary Bird Flower.** Pkt. 10c.

**Clematis Hybrids.** Mixed. Pkt. 10c.

**Cobea Scandens.** A rapid climber. Pkt. 10c.

**Cypress Vine.** An old garden favorite for covering fences or out buildings. Pkt. 5c; oz. 25c.

**Dioscorea Polystachya.** Passiflora-like flowered; climber of brilliant scarlet blooms, very similar also to the Tacsonias. A new plant to California 15 seed, 10c.

**Giant Crimson Dolichos.** Flowers at first blush deepening with age to

dark red, followed by bronzy-purple seed pods; foliage, dark green with red veins; flower and leaf stems maroon. Pkt. 10c.

**Giant White Dolichos.** Similar to above. Pkt. 10c.

**Echinocystis Lobata.** (Wild Cucumber). Hardy, vigorous climber, bearing the fruits the first year from seed. The pods are very pretty ornaments. Should be planted as early in the Spring as possible. Pkt. 10c.

**Gourds.** See special list.

**Humulus Hop.** Japanese. Pkt. 10c.

**Ipomoea Cardinalis.** ("Cardinal Creeper," "Jewel Vine.") A strong climbing vine, cross between Cypress Vine and Morning Glory. Deep cardinal red; extremely showy; annual climber. Pkt. 10c.

**Japanese Cucumber.** Fine climber and useful. Pkt. 10c.

**Kennedia Rubella.** Fine. Pkt. 10c. K. White, fine climber. Pkt. 10c.

K. Rose; fine climber. Pkt. 10c. K. Mixed. Pkt. 10c.

K. Purple. Pkt. 10c.

**Lathyrus latifolius.** Rose and white. Everlasting Pea. Pkt. 10c.

**Louicera Tartaria.** (Honeysuckle). Rose. Pkt. 10c.

**Mandevilla.** (Chili Jasmine). Fine climber. Pkt. 10c.

**Muscari.** (Muscat). White, purple and mixed. Pkt. 10c.

**Mina Lobata.** A handsome climber. Pkt. 10c.

### JAPANESE GIANT MORNING GLORIES

**Single Japanese Giant.** Finest mixed. Pkt. 10c.

**Morning Glory.** A grand mixture of all colors. Pkt. 5c; oz. 25c.

**Morning Glory.** Purple-blue, a very strong grower. Pkt. 5c; oz. 25c.

**Morning Glory.** Heavenly blue. A most beautiful sort. Pkt. 10c.

**Moon Vine.** Ipomoea Leari. Perennial blue vine, very fine for covering fences and buildings. Pkt. 10c.

**Moon Vine White.** A rank grower, Pkt. 10c.

**Snail Vine—See Phaseolus.**

**Passiflora-Rosea (Tacsonia).** A very showy climber with rose colored flowers, giving a sweet-scented fragrance, which are borne in great abundance. The seed are very scarce and hard to obtain. Pkt. 10c.

**Passiflora.** (Passion Vine). Edulis. Pkt. 10c.

**TACSONIA (Scarlet).** This makes an extremely rapid climbing vine and bears large showy scarlet flowers of the Passion flower character. Most profuse bloomer. Perennial. A very attractive vine. Pkt. 10c.

**Snailax.** A useful plant for decorating. Pkt. 10c.

**Phaseolus Caracalla.** Snail Vine. A perennial of fair growth, with large, very fragrant, sweet-scented, snail-like flowers, which are borne in great abundance. The seed are very scarce and hard to obtain. Pkt. 10c.

**Wild Cucumbers—See Echinocystis. Wisteria.** An old favorite; grows readily from seed but is slow to come into bloom. Pkt. 10c.

**Collection "B."** Six Climbing Plant Seed. One pkg. of each properly named. 35c postpaid.

Australian Pea Vine

Bignonia Polystachya

Cobea Scandens

Passiflora Edulis (Blue)

Giant Dolichos

Morning Glory

"Garden Beautiful" Collection of

**HARDY PERENNIAL FLOWER SEEDS** For Gardens, Borders and Groups

25 Kinds. Enumerated Below. \$1.00, or of the 12 Kinds Prefixed \* for 50c. Mailed Free.

(Most of these will bloom the first year from seed)

**Achillea Ptarmica.** fl. pl. Double white flowers, borne profusely in summer.

**Alyssum Compacta.** Spring-blooming, hardy Alyssum.

**Aquilegia or Columbine.** Large-Flowering Hybrids. Beautiful new colors. Canterbury Bells, Calycanthus, Mixed. The "Cup and Saucer" type.

**Campanula.** (Bellflower). Mixed Colors. Double fragrant flowers.

**\*Coreopsis Lanceolata.** Harvest Moon. Large golden flowers.

**\*Delphinium.** Large Single Hybrids, Mixed Colors. Perennial Larkspurs. Double flowers, in shades of blue. The Pheasant's Eye or Grace Pinks.

**\*Digitalis Gloxinoides.** Mixed. The finest strain of Foxglove, various colors.

**Gaillardia Grandiflora Maxima.** Mixed Colors. Red, yellow, etc.

**\*Hollyhock.** Extra-Color Double, Mixed Colors. Many beautiful colors.

**Lobelia.** Hardy Hybrids, Mixed. Improved type sof the Cardinal Flower.

**\*Pentstemon** (Lindleyi). Mixed. Large, fragrant flowers in brilliant colors.

**\*Phlox.** (P. Rubra). Large-Flowering Hybrids, Mixed. Heads of large flowers.

**Platycodon.** Mixed Colors. Compact bushes with bell-shaped flowers.

**\*Poppy.** (Hardy Oriental). Mixed. Mixed colors, flowers from one to three inches across.

**Pyrethrum.** Large-Flowering Hybrids, Mixed. Single Daisy-like flowers.

**Scabiosa.** Saucer-shaped flowers, of lovely light blue.

**\*Sweet Pea.** Mixed Colors. Fragrant purple or white flowers.

**\*Sweet William.** Large-Flowering, Single, Mixed. Rich colors.

**Statice Latifolia.** A fine spring blooming plant.

**\*English Daisy.** Fine for borders. Heliophila, Mixed. For shade and protected places.

**\*Gypsophila Paniceulata.** Excellent cut flower.

Mr. Fred G. Huber, of Altadena, took 1st prize on our Giant Zinnias at the

Pasadena Flower Show (Fall 1916)

# SWEET PEAS

**Culture of Sweet Peas**—The early-flowering varieties are planted from the first of August to November, when it is best to commence planting the Grandifloras and Spencers, which can be successfully used up till April. But are best if planted during December, January and February. Thus planted they produce the best flowers. Very fair flowers can be had during summer, however.

**SWEET PEAS—Christmas Flowering, Winter or Tournament Flowering Varieties.**

Christmas Flowering. Per pkt. 10c.

*Angelino*, light pink. Oz. 20c; lb. \$2.00.

*Christmas Meteor*, scarlet crimson. Oz. 25c; lb. \$2.50.

*Earliest of All*, pink and white. Oz. 15c; lb. \$1.25.

*Early Sunbeams*, primrose. Oz. 25c; lb. \$2.50.

*Le Marquis*, navy blue. Oz. 25c; lb. \$2.50.

*Mont Blanc*, white seeded, pure white. Oz. 15c; lb. \$1.25.

*Mrs. Alexander Wallace*, pinkish lavender. Oz. 20c; 1/4 lb. 50c.

*Mrs. C. H. Totty*, best lavender. Oz. 20c; 1/4 lb. 50c.

*Snowbird*, black seeded white. Oz. 15c.

Mixed Early Flowering or Xmas Varieties. Oz. 15c; lb. \$1.50.

**NEW EARLY FLOWERING SPENCER PEAS.** This new class is identical in form of flower to the well known Spencer class and only differs in that it is early flowering, generally about 30 days from seedling. They are exceedingly shy seeders, and price is very high yet. In ordering be sure and mention Early Flowering Spencer. All 25c pkt.; oz. \$1.00.

*Yarrawa*, bright rose pink, with light wings.

*Blanche Ferry Spencer* (New).

*Lavender Bicolor*, pinkish lavender standard, with white wings.

*Lavender Pink*, a fine variety with large blossoms.

*Mrs. Skach*, the finest pink for florists.

*Mrs. W. Sim*, fine apricot pink.

*Red Orchid*, Large brilliant red.

*White Orchid*, Large pure white.

**Early Flowering Spencer Peas.** All the above in fine mixture. Pkt. 25c; oz. 80c.

**ORCHID OR SPENCER AND UNWIN VARIETIES**

**NOTE**—Owing to the extremely short crop of Spencer Peas, the prices are considerably advanced. All the following except as otherwise noted: Pkt. 15c; oz. 45c; 1/4 lb. \$1.15.

*Asta Ohn*, light pinkish lavender Spencer.

*Blanche Ferry Spencer*, rose standard, pinkish white wings.

*Captain of the Blues* Spencer, bluish purple, margin of lilac.

*Countess Spencer*, bright pink, our strain, very fine; true.

*Dainty Spencer*, Most beautiful variety.

White, edged with pink.

*Mrs. Hugh Dickson*, One of the most charming and finest of all the pink varieties.

*Dobbies Cream*, Fine deep cream.

*Edith Taylor Spencer*, Deep orange rose. Very large.

*Etta Dyke*, Clear white, with wavy standards.

*Elfrieda Pearson*, Extra large flower of lovely pink.

*Eliza Held*, Large creamy white, with pink edge.

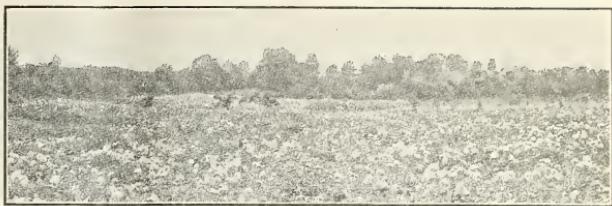
*E. J. Castle*, Unwin type, rose crimson.

*Frank Dolby*, Unwin type, pure lavender.

*Fairy Cross*, A clear flame red or orange scented. The highest priced novelty ever put on the market in peas. Pkt. 35c.

**SWEET PEAS—MIXTURES**

**Sweet Pea—Grandiflora**, Fancy mixture of all this splendid class of California large flowering varieties. Pkt. 5c; oz. 15c; 1/4 lb. 40c.



A Wild Garden Sown Down With Mixture of Wild Flowers

*Gladys Unwin*, bright rose pink.

*Hercules*, Probably the largest new deep pink grown. Extra long, stiff stems.

*Illuminator*, Rich glowing cerise-salmon of vigorous growth and a good bloomer. Pkt. 25c; oz. 60c.

*John Ingram*, rose crimson Spencer.

*King Edward Spencer*, large bright red.

*King White*, Grand new pure white. Four large wavy flowers born on long stiff stems.

*Lovely Spencer*, bright red at base, blushed and white edges.

*Marie Corelli*, brilliant carmine red.

*Margaret Atlee*, Deep salmon overlaid deep pink; best salmon pink to date.

*Miriam Beaver*, Light apricot on buff, a beautiful variety.

*Mrs. Alfred Watkins*, blush and pink.

*Mrs. Rontzahn*, apricot pink Spencer.

*Margaret Madison*, Clear azure blue or clear lavender; best of its shade.

*Nubian*, Chocolate wine or deep wine color.

*Othello Spencer*, large deep maroon.

*Primrose Spencer*, white seeded primrose.

*Senator Spencer*, ivory white, striped chocolate.

*Thomas Stevenson*, Fine wavy orange scarlet.

*Mrs. Townsend*, Beautiful clear white with picotee edge of blue.

*White Spencer*, pure glistening white.

*Wedgewood*, One of the grandest novelties in clear lavender. Pkt. 15c.

## GRANDIFLORA OR WELL-KNOWN STANDARD VARIETIES

Any one of the following, Pkt. 10c; 25c oz; 1/4 lb. 50c.

*Black Knight*, deep maroon.

*Blanche Ferry*, rose standard, white wings.

*Dorothy Eckford*, large pure white.

*Evelyn Byatt*, brilliant orange rose.

*Helen Pierce*, blue marbled on white; very fine.

*Henry Eckford*, almost pure orange.

*King Edward VII*, very large brilliant red.

*Apple Blossom*, crimson, pink and white.

*Lady Grisel Hamilton*, the best clear lavender.

*Lovely*, deep pink shading to light pink.

*Miss Willmott*, large, orange pink.

*Navy Blue*, indigo blue and violet.

*Othello*, deep maroon.

*Prima Donna*, clear distinct pink.

*Queen Alexandra*, the most brilliant red, almost true scarlet.

## SWEET PEAS—MIXTURES

**Sweet Pea—Grandiflora**, Fancy mixture of all this splendid class of California large flowering varieties. Pkt. 5c; oz. 15c; 1/4 lb. 40c.

**Sweet Peas—Giant Orchid or Spencer Mixed.** This mixture includes all of the later varieties of the ruffled giants in superb blend. Pkt. 15c; oz. 40c; 1/4 lb. \$1.00, postpaid.

## CALIFORNIA AND MEXICAN NATIVE FLOWER SEED

**Aquilegia California** "Columbine." One of our best plants for shade; fine for cutting. Pkt. 10c.

**Argemone Platyceras**, "Thistle Poppy." A very hardy, pretty poppy-like flower growing about 2 feet. Pkt. 5c; oz. 40c.

**Baeria (Sunshine) (Actinolepsis, Shortia)**. A pretty plant. Pkt. 10c.

**Bartonia Aurea**, "Blazing Star" (Mentzelia). One of our prettiest natives. Grows 18 inches to 2 feet. Pkt. 5c; oz. 40c.

**Clarkia Elegans**. A pretty little annual, growing 12 to 18 inches; quite hardy. Pkt. 5c; oz. 25c.

**California Poppy**. See Eschscholtzia.

**Collomia Bicolor**, "Innocence." One of our most beautiful and curious annuals; delights in rich soil and will stand considerable shade. Pkt. 5c; oz. 40c.

**Delphinium Cardinale**, "Red Larkspur" or scarlet Larkspur, growing 3 feet to 6 feet; perennial; Pkt. 10c; oz. \$1.00.

**Erigeron Coulteri**, "Mountain White Daisy." A very pretty flower, growing 12 to 18 inches. Pkt. 5c; oz. 40c.

**Emmenanthe Penduliflora**, "Whispering Bells." One of our prettiest. Pkt. 5c; oz. 25c.

**Eschscholtzia**, (California Poppy). The popular wild flower known by every one. Pkt. 5c; oz. 20c; lb. \$2.00.

**Eschscholtzia, California** "Golden West." Large, deep yellow. Improvement on the old wild variety. Pkt. 10c; oz. 20c.

**Eschscholtzia**, White. Pkt. 5c; oz. 25c.

**Eschscholtzia**, "New Crimson," which comes good per cent true. Pkt. 10c; oz. 25c.

**Eschscholtzia**, California Mandarin. Orange, yellow. Pkt. 5c; oz. 20c; lb. \$2.00.

**Eschscholtzia**, Double orange. This comes fairly true. Pkt. 10c.

**Eschscholtzia**, Collection of 6 varieties of above, 20c.

**Eschscholtzia**, Fine mixture of above. Pkt. 10c; oz. 20c.

**Flaerken** (Limenanthus) **Douglasii** (Meadow Foam). A beautiful little annual growing 12 to 20 inches. Pkt. 5c.

**Fremonia California**, "Bush Elm." A pretty flowering shrub. Pkt. 10c; oz. 35c.

**Gilia Tricolor**, "Bird's Eye." One of our most satisfactory wild flowers; easy of culture. Pkt. 5c; oz. 30c.

**Godetia Amoena.** "Farewell to Spring." Deep rose colored flowers; plants grow from one to two feet; flowers are sometimes blottedched with crimson. Pkt. 5c; oz. 35c.

**Godetia Grandiflora.** Delicate pink. Similar to above except in color. Pkt. 5c; oz. 25c.

**Heuchera "Alum Root."** A very graceful and delicate colored perennial growing about one foot. Pink and white flowers. Pkt. 10c.

**Hunnemania Fumariifolia.** "Tree Poppy." One of our most useful and beautiful flowers for cutting, clear lemon yellow (2 ft.) hardy perennial, blooming in about 3½ to 4 months. Pkt. 10c; oz. 40c.

**Hypolegium Coriaceum.** "St. John's Wort." Very useful for cutting, growing 12 to 30 inches. Pkt. 10c.

**Layia Glandulosa.** "White Daisy." Annual 12 to 18 inches. White Daisy with yellow center. Pkt. 10c.

**Layia Elegans.** "Tidy Tips" "Yellow Daisy." 10 to 20 inches. Annual, a pretty yellow daisy with cream edges. Pkt. 10c.

**Lavatera angustifolium.** Shrub of Hibiscus family. Fine hedges. Pkt. 10c.

**Leptosyne Maritima (Sea Dahlia).** Perennial; blooming early from seed. 2 ft. Pkt. 10c.

**Leptosyne Steyermarkii (Coreopsis).** Single Daisy. Dahlia. 2 to 3 ft. Perennial, making a fine cut flower. Pkt. 10c.

**Leptosiphon Densiflorus.** (Calif. Phlox). We have this in white and lavender-rose. Pkt. 10c.

**Lithospermum Douglasii.** See Flaxseed. *Linaris*. "Purple" "Blue" "Lead Flax." A very pretty little plant like snapdragon, 12 to 18 inches. Pkt. 5c; oz. 25c.

**Lithospermum Densiflorus.** "Calf Phlox." Pkt. 10c.

**Mentzelia Laevicaulis.** "Blazing Star." See Bartsonia.

**Mimulus Brevipes** "Yellow Monkey Flower." A very hardy, perennial, about 1 ft. Pkt. 10c.

**Mimophila Insignis.** "Baby Blue Eyes." Our finest blue flower, very hardy and blooms very quickly from seed. Fine for sowing as a wild border or among strawberry. Pkt. 5c; oz. 25c.

**Oenothera "Evening Primrose" (Yellow).** A fine, showy plant. Pkt. 5c.

**Pentstemon Menziesii.** Perennial, pretty pink flowers. Pkt. 10c.

**Pentstemon Speciosus.** Purple, Rose. 1 ft. growing. Pkt. 10c.

**Platystemon California.** "Cream Cups." Annual 8 to 12 inches, cream colored daisy. Pkt. 5c.

**Phacelia Grandiflora** "Baby Eyes." Pretty bell shaped blue flowers, 1 to 2 ft. Pkt. 10c.

**Phacelia Whitivisia.** "Wild Canterbury Bell." Very similar to above. Pkt. 10c.

**Phacelia Parryi** "Baby Eyes." All three of these varieties are very pretty. Pkt. 10c.

**Romneya Coulteri.** "Matilija Poppy." The famous Tree Poppy, large crepe white flowers with yellow center, often 8 to 10 inches across. Pkt. 10c.

**Santolina Chamaecyparissus** "Lavender Sage." A queer sage like, early flowering, annual. Pkt. 10c.

**Viola Pedunculata** "Yellow Violet." Growing in large clumps, very profuse bloomer. Pkt. 10c.

## WILD FLOWER MIXTURES

**California Native Wild Flower Mixture.** This includes most of the native species in fact, all of our mixture that thrive as a wild garden collection. Pkt. 10c; oz. 35c; lb. \$3.50. For larger quantities ask for quotations.

**California Natives.** For shade or partial shade. Pkt. 10c; oz. 40c.

**Wild Garden Mixture.** While this mixture is not all native flowers, it is the best selected for our California conditions, and will give a longer duration of flowering season than strictly natives. Pkt. 10c.

**Note. Culture Directions for Mixtures.** First it is advisable to make a side plot and thoroughly harrow or rake up. Sow 4 to 6 lbs. per acre and again harrow or rake seed in, and if early growth is wanted is best to thoroughly irrigate before plowing.

## SPECIAL OFFER

Our Souvenir Package—Collection of 12 Named Varieties of California Native Wild Flower Seed Each Properly Labeled. 50c.

## WILD GARDENING

When it is not possible to give intensive culture to places that are not roadsides, rough or hilly situations—we recommend "Wild Gardening." For several years past our customers have shown great interest in this work, and we will be pleased to assist any one interested in this sort of work.

## EUCALYPTUS SEEDS

### IMPORTANT

We use every care in collecting these seed and give special attention to export orders, but sell them with the distinct understanding we supply the distinct under the botanical names by which they are known, and that we are not at any time to be held liable for results.

The value of the timber of this tree has been generally recognized all over the world, and already a large export trade from Western Australia and the other states has been established. As hardwood timbers some of the eucalypti have no equal, and possess high qualities, including the timber of the dreaded *Teredo* for submarine work. Some of them are so hard that they may be said to be almost indestructible. For street paving they are the best in the world, and when their value is fully realized the export of these timbers will become a large one. **Special quotations to large buyers.**

Any of the following species 10c per pkt. 6 d. p.ts. 5c.

**Eucalyptus Amygdalina** (Messmate or Almond Leafed Stringy Bark.) A first-class timber for flooring boards, joists and beams; more durable than Stringy Bark, but a little larger. Not good for fuel. 100 to 200 feet. Oz. 75c; lb. \$5.00.

**E. Amygdalina, Var. *Augustifolia*.** A very ornamental species for landscape use. Rather dwarf in habit, reaching probably 25 to 50 feet of a weeping habit, with long quite narrow leaves. Oz. \$1.00.

**E. Bicolor.** (Black Box.) Equal to the best Iron Bark and more easily worked; sometimes called "Iron Bark Box"; 100 to 150 feet. Oz. 80c.

**E. Botryoides.** (Bastard Mahogany). Medium size tree; bark smooth, best along the coast; fine for underground water casting wells in the ground. The wood is valuable for cabin work, having a beautiful mahogany grain. Oz. 80c.

**E. Citriodora.** (Lemon-scented Gum). A useful timber! delightfully scented leaves. Oz. \$1.50.

**E. Corymbia** (Bloodwood). Very large; timber first-class for posts, piles and the like; extremely durable in the ground; not favorable as sawn timber on account of its gum veins. 150 to 200 feet. Oz. \$1.

**E. Calophylla.** Ornamental; of rapid growth; white flowers; timber valuable for cabinetry above ground. Height 50 feet. Oz. \$1.

**E. Cornuta.** "Gate Tree." A rapid growing variety, very hardy; wood very durable and very elastic, con-

sidered equal to ash. Height 100 feet. Oz. 75c.

**E. Coryocalyx.** "Sugar Gum." This variety will stand more drought than any other we know of. Very ornamental, rapid growing, highly valuable in timber. Timber very durable and used for railroad ties. One of the best. Height 120 feet. Oz. \$1; lb. \$7.00.

**E. Crebra.** "Narrow Leaved Iron Bark." Wood reddish, heavy, elastic and durable. Is ant and vermin proof. Used for nail and screw ties, bridges and piles. Height 100 feet. Oz. \$1.

**E. Diversicolor.** "Karri Gum." From the Southwest Australia. A tree of remarkable beauty, perfect shape, rapid growth, and one of the very best for street planting. Furnishes good timber for building masts, shafts, spokes, fence rails, etc. Height 300 feet. This tree for coast regions has few equals. Many millions of feet are exported from Australia every year. The trees of street are saved with it in England; lasts well underground; one of the best seven varieties for our section. Oz. \$1.50; lb. \$12.00.

**E. Ficifolia.** "Scarlet Flowered Gum." The most ornamental of the family. Displays bright crimson flowers produced well above the foliage; one of the most effective trees in cultivation. Height 20 feet. 35 seeds, 25c; per 100 seeds. 65c.

**E. Globulus.** "Tasmanian Blue Gum." Well known; one of the most useful of all and a very rapid grower; planted largely in warm countries on account of its malaria-destroying qualities. Remarkably good for fuel. Height 150 feet. California saved seed. Oz. 50c; lb. \$4.00.

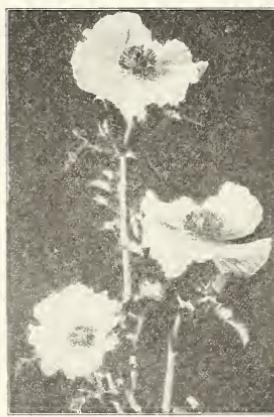
**E. Gigantea.** One of the Giant growers; fine grain, fine timber. Oz. \$1.

**E. Gonocalyx.** "New South Wales Blue Gum." Wood very durable, hardy and tough; much used in its native country by wheelwrights. A rapid grower. Height 200 feet. Oz. \$1.

**E. Gunnii.** Tasmanian Cedar Gum." One of the hardest trees; sometimes found along snow lines; attains the height of about 150 feet. Its flowers are white. Oz. \$1.

**E. Hemiphloia** "Common Box." Hard but brittle timber; strong, tough and durable, but not good in the ground; first-class fuel for domestic use and steam purposes. Height 100 to 150 feet. Oz. 75c.

**E. Lemoxyloides.** "Iron Bark of Victoria." Timber possessed of great strength and great durability; exceedingly hard; largely used for underground work. Oz. 75c.



Thistle Poppy (Argemone)

**E. Longifolia.** "Woollybut." Fair timber for fencing and building purposes; good fuel. Very durable, erect and tall. Is said to be less liable to the attack of the white ant than any other gum. Height 100 to 200 feet. Oz. 50c.

**E. Maculata.** "Spotted Gum." A handsome tree, straight growth to 100 ft., 6 ft. diameter. Used for building, R.R. sleepers, wheelwrights work, etc. Oz. \$1; lb. \$2.

**E. Meliodora.** "Black Ironbark." Of spreading growth with a compact, relatively stout stem, and makes excellent fuel. The young trees are largely used for telegraph poles, and the flowers are much sought by bees. One of the strongest and most durable timbers in the world. Height 120 feet. Oz. \$1.25.

**E. Obliqua.** "Stringy Bark." A quick grower and produces the best wood for flooring, scantling and shingles. Inferior as fuel, but makes the best charcoal for the forge. Height 300 feet. Oz. 75c.

**E. Peltata.** "White Ironbark." Wood hard and durable, except for railroad ties. Also much used for building purposes, easily worked, and grows well and is lasting underground. Height 150 feet. Oz. 75c.

**E. Pilularis.** "Black Butt." Of rapid growth. One of the best timber yielding species, much used for flooring, boxes, railroad ties and telegraph poles. Height 300 feet. Oz. \$1.

**E. Pipertia.** "Peppermint Gum." Timber valuable for shingles, fence rails, etc. Yields a greater quantity of oil than any other variety, and is of remarkably quick growth. Height 300 feet. Oz. \$1.

**E. Punctata.** "Leather Jacket." Tree with smooth, dark-brown bark and falls off. The wood is tough, hard and close grained. It is very durable as posts and ties—also good fuel.

Thrives fine in interior valleys. Especially Riverside County. Oz. 75c.

**E. Polyanthema.** "Australian Beech." The timber is much used for mining purposes, and for all underground work, being remarkably hard and durable. Also an excellent fuel, flowers good for bees. Height 150 feet. Oz. 75c; lb. \$2.00.

**E. Rudis** (or Desert Gum). One of the varieties that has succeeded remarkably well in the desert region, standing heat and cold very well. \$1 per oz.

**E. Regnans.** "Forest Mahogany." A superior timber of large size, prized for its strength and durability. Fine for interior house work. Height 200 feet. Timber is among the most valuable of all the species equaling or even surpassing Mexican mahogany, as it is much harder and less subject to marring. Oz. \$1.00.

**E. Robusta.** "Swamp Mahogany." Thrives best on low ground, especially near the sea coast. A remarkably healthy robust variety. Height 150 feet. Oz. 60c; lb. \$2.00.

**E. Siderophloia.** "Red Gum." Well known and highly esteemed in this section. The wood is unsurpassed for durability, and is used for railroad ties, street pavements, ship building, etc. Height 200 feet. Oz. 40c; lb. \$4.00.

**E. Salicina.** "Weeping Gum." Very ornamental. Leaves and general habit are like the "Babylonian Willow." Good for fuel. Height 75 feet. Oz. \$1.

**E. Siderophloia.** "Dark or Broad-leaved Ironbark." Wood very hard, light colored and heavy, of great strength and durability, and is used for railroad ties, spokes, shingles, flowers. Native of South Africa. Height 10 feet. Oz. 35c; lb. \$2.00.

**Acacia Linifolia.** Flax leaved. An ornamental shrub with yellow flowers in heads up to four together. Height 8 feet. Pkt. 10c.

**Acacia Lophantha.** Abizzia. Lophantha. Cape or Crested Wattle. One of the most rapid growing trees for first temporary shelter, succeeding in the most desolate places. Height 45 feet. Oz. 15c; lb. \$1.25.

**Acacia Cultriformis.** "Knife-leaved" Acacia. A distinct and beautiful species of shrub with glaucous green leaves about  $\frac{3}{4} \times \frac{1}{2}$  inch in size. When in bloom the plant presents a splendid appearance on the lawn. Height 15 feet. Oz. 50c; lb. \$5.

**Acacia Baileya.** The well known Cootamundra Silver Wattle. A handsome tree with glaucous green foliage; one of the most beautiful of the Acacia and highly recommended for street planting. Height 25 feet. Oz. 35c; lb. \$3.00.

**Acacia Catechu.** "Knife-leaved" Acacia. A distinct and beautiful species of shrub with glaucous green leaves about  $\frac{3}{4} \times \frac{1}{2}$  inch in size. When in bloom the plant presents a splendid appearance on the lawn. Height 15 feet. Oz. 50c; lb. \$5.

**Acacia Dealbata.** "Silver Wattle." Very ornamental. Height 30 feet. Oz. 40c; lb. \$4.

**Acacia Elata.** A most rapid growing tree with yellow flowers, tree attaining a height of 60 feet; very ornamental and fine form, wood useful for furniture and cabinet work. Oz. 30c; lb. \$3.50.

**Acacia Decurrens.** Green or Black Wattle. A medium sized tree of rapid growth. Very useful for wind-break. Also very rich in tannin; wood is valuable for fuel and for turners' and coopers' work. Height 40 feet. Oz. 35c; lb. \$2.50.

**Acacia floribunda.** Ornamental with very abundant handsome flowers; valuable for lawns, parks, cemeteries, etc. Height 25 feet. Oz. 35c; lb. \$2.50.

**Acacia Lapiifolia.** A handsome shade tree, succeeding especially well near the sea coast. Leaves broad, yellow

bridges, jetties, etc. It is stronger than hickory. As fuel it gives more heat than any other kind. Height 200 feet. Oz. \$1.00.

**E. Sideroxylon.** "Red Iron Bark." Medium size tree usually erect. Bark hard and black, wood hard and heavy and very dense, sinks in water. Tree endures great heat and drought.

**E. Sieberiana.** "Gum Top." Wood of excellent quality, strong and elastic, and may be used for all purposes where hickory or ash are at present used. It splits easily and is soft to work. Also a most excellent fuel. Height 150 feet. Oz. \$1.

**E. Stuartiana.** "Apple-scented Gum." A medium-sized tree, with drooping branches. Will thrive on any soil. Wood very dark and handsome, and takes a good polish. Useful for cabinet work. Height 100 feet. Oz. 65c.

**E. Tereicornis.** "Gray Gum." A very handsome, large-growing variety. Wood durable and useful for shingles, flooring, etc. Also an excellent fuel. Height 200 feet. Oz. 60c; lb. \$3.00.

**E. Viminalis.** "Manna Gum." A hardy rapid-growing variety, and well suited to exposed situations. On soils it grows to a gigantic size. The wood may be used for ordinary building purposes; also for fuel. The young bark and leaves yield the Australian Manna. Height 300 feet. Oz. 50c.

**Angophora Cordiflora (Queensland). (Australia).** This is one of the best of the species, attaining large size and grows with the rapidity of the Eucalyptus. The growth is more close and foliage more dense; good for street or meadow for shade. Pkt. 10c;  $\frac{1}{2}$  oz. 40c.

## MISCELLANEOUS TREE AND SHRUB SEEDS

All seeds quoted at less than 50c per oz. we will supply at 10c per pkt.; those quoted at 50c and upwards at 15c per pkt.

**Acacia Armata.** "Prickly Acacia." Much used for hedges; good for the sea coast. Height 15 feet. Oz. 40c; lb. \$4.

**Acacia Baileya.** The well known Cootamundra Silver Wattle. A handsome tree with glaucous green foliage; one of the most beautiful of the Acacia and highly recommended for street planting. Height 25 feet. Oz. 35c; lb. \$3.00.

**Acacia Cultriformis.** "Knife-leaved" Acacia. A distinct and beautiful species of shrub with glaucous green leaves about  $\frac{3}{4} \times \frac{1}{2}$  inch in size. When in bloom the plant presents a splendid appearance on the lawn. Height 15 feet. Oz. 50c; lb. \$5.

**Acacia Dealbata.** "Silver Wattle." Very ornamental. Height 30 feet. Oz. 40c; lb. \$4.

**Acacia Elata.** A most rapid growing tree with yellow flowers, tree attaining a height of 60 feet; very ornamental and fine form, wood useful for furniture and cabinet work. Oz. 30c; lb. \$3.50.

**Acacia Decurrens.** Green or Black Wattle. A medium sized tree of rapid growth. Very useful for wind-break. Also very rich in tannin; wood is valuable for fuel and for turners' and coopers' work. Height 40 feet. Oz. 35c; lb. \$2.50.

**Acacia floribunda.** Ornamental with very abundant handsome flowers; valuable for lawns, parks, cemeteries, etc. Height 25 feet. Oz. 35c; lb. \$2.50.

**Acacia Lapiifolia.** A handsome shade tree, succeeding especially well near the sea coast. Leaves broad, yellow



Acacia Melanoxylo

**Acacia Melanoxylo.** "Blackwood." In sheltered irrigated glens, this tree will reach a height of 80 to 100 feet, with the trunk several feet in diameter. The timber is very valuable for cabinet makers' work. Oz. 25c; lb. \$2.50.

**Acacia Mollissima.** An abundant blooming tree; very ornamental, suitable for lawns or shrubbery. Height 25 feet. Oz. 40c; lb. \$4.

**Acacia Podalyriofolia.** One of the fine new varieties for the fine seed. Specimen plants in Pasadena have caused a big demand for the seed. Tree of striking blue color, medium size. Pkt. 20c.

**Acacia Frenanha.** "Golden Wattle." Of rapid growth doing especially well near the sea coast, and containing quantity of tannin. Height 40 feet. Oz. 30c; lb. \$3.

**Acacia Salicina.** A small tree of weeping habit, very ornamental. Height 25 feet to 30 feet. Oz. 40c; lb. \$4.

**Acacia Myrtifolia.** A beautiful small growing tree with myrtle leaves. Pkt. 25c.

**Acacia Pinifolia.** A small growing tree of spreading habit. Fine pin-like leaves. Pkt. 25c.

**Acacia Verticillata.** One of the finest varieties of the whole list. Very small foliage. Rare. Pkt. 25c.

### ACACIA CUERNE DE VACA (Cow's Horn)

A curiosity from Mexico. A plant sent us by Mr. John Spence and presented to Mr. L. Huntington is probably the first plant ever grown in California. The tree is virtually a mass of great horns, forming in pairs, which never shed off, some measuring 7 to 8 inches across the pair. The most curious novelty we have seen in thorny plants. The gen-

eral appearance of the plant and flower is strikingly like *Acacia Farnesiana*, says Mr. Spence, and is found growing in its wild state among them. Pkt. 15c

**Bauhinia Aculeata.** A fine flowering tree from Mexico. Of branching habit; hardy in most places. Very showy in bloom. Pkt. 25c.

**Braechichtyon Acrifolium.** "Flame Tree" of fine sturdy pyramidal growth with large handsome foliage, producing masses of scarlet flowers. Height 45 feet. Oz. 30c; Ib. \$3.00.

**Buddleia Variabilis.** A very rank, strong growing shrub, of semi-climbing nature. Very showy, lilac-colored plant. Pkt. 10c.

**Callistemonis.** Bottle Bush. Are mostly small, bushy-like woody shrubs, with beautiful "Bottle Brush" like flowers, closely related to Melaleuca and both are highly recommended for California gardens. We have made up a fine mixture of 8 varieties all useful flowering varieties. Pkt. 10c.

**Camphora Officinalis.** Camphor Tree. A tree from which the camphor is distilled; well known in California. Oz. 25c; Ib. \$2.

**Cassia Artemesia.** A glaucous blue shrub, of same character as Grevillea and tea-leaved. Fine for hedging or bordering groups. Pkt. 15c.

**Casuarina Equisetifolia.** "Beefwood." Wood very durable for underground piles and jetties. Height 150 feet. Oz. 75c.

**Casuarina Quadrivalvis.** "Coast She Oak." Very valuable for sea coast culture to prevent inroads of sea upon sand hills; of quick growth. Wood valuable for shingles, etc. Height 60 feet. Oz. 75c.

**Casuarina Suberosa.** "Erect She Oak." A beautiful shade tree; valuable for fuel. Height 60 feet. Oz. 75c.

**Cedrus Deodara.** "Himalayan Cedar." A noble and beautiful evergreen of pyramidal form; foliage bluish green, graceful and drooping. One of the finest trees on the Pacific Coast. Oz. 50c; Ib. \$5.

**Cedrus Libani.** "Cedar of Lebanon." A most beautiful evergreen for lawn decoration. Oz. 50c; Ib. \$5.

**Ceratonia Siliqua.** "St. John's Bread." The Carob or Locust Tree of Scripture with yellow flowers and edible saccharine pods, which are very fattening. Height 30 feet. Oz. 15c; Ib. \$1.50.

**Chionanthus Puniceus.** Glory Pea of Australia." A sort of trailing shrub. Pkt. 20c.

**Chrysanthus Ulicifolium.** A small shrub, with holly-like foliage and in early summer covered with orange star-shaped flowers which make beautiful bouquets. Pkt. 10c.

**Coprosma Baueri.** A shrub growing 5 to 10 ft. with thick shiny leaves, being so glossy that they appear to be varnished. Pkt. 15c.

**Coronilla Glauca.** An elegant small shrub of the pea family; of silvery colored foliage. Pkt. 25c.

**Cotoneaster Augustifolia** (C. Buxifolia and C. Vulgaris). All quite similar; of low growing character. Are sort of a trailing evergreen bush, of Box Wood character. Fine for edging or rockers. Pkt. each 25c.

**Cotoneaster Buxifolia.** Small evergreen shrub—and during fall and winter completely covered with red berries; very ornamental. Pkt. 10c.

**Cotoneaster Horizontalis.** A decumbent shrub, never growing very tall but trailing over ground and rocks; very useful for covering banks, rock-work, etc. During fall and winter is covered with red berries. Pkt. 10c.

**Crataegus Pyracantha.** "Evergreen Thorn" or burning bush. Very ornamental shrub; perfectly hardy. Pkt. 10c.

**Cryptomeria elegans.** "Fine-leaved Japan Cedar." Foliage glaucous green, resembling a feathery Araucaria, which in winter turns to reddish brown. Height 50 feet. Oz. 50c.

**Cryptomeria japonica.** "Japan Cedar." A splendid conifer, for isolated situations on lawns. Height 75 feet. Oz. 30c; Ib. \$3.

**Cynanchum Betaceum** (Solanum Betaeum). Tree Tomato. A semi-tender small tree with egg-shaped fruit with tomato flavor. To save confusion, order by botanical name—as there are other Tree Tomatoes. Pkt. 10c.

**Cypress Arizonica.** Blue Cypress of Arizona, very similar to Guadalupean or of fine bluish color. It is hardy as any variety grown and highly recommended. Has an upright dense growth. Oz. 40c; pkt. 10c.

**Cypress Lawsoniana.** "Lawson's Cypress." A native variety found in northern California and Oregon. Wood white, fragrant and close grained. Generally known as Oregon or White Cedar. Height 100 feet. Oz. 35c.

**Cypress Macrocarpa.** "Monterey Cypress." Too well known to need description. Useful for hedges and windbreaks. Height 80 feet. Oz. 15c.



*Aenea Saligna*

**Cypress Sempervirens.** "Italian Cypress." A European variety, very long lived and the wood of which is almost imperishable. Height 70 feet. Oz. 20c.

**Cytisus Laburnum.** "Golden Chain." Shrub, 8 to 10 ft. which produces in great profusion long canes of yellow flowers. Pkt. 10c.

**Daubentonia Grandiflora** (Sessiliflora). Large flowered species or red flowered locust. A very striking shrub or small tree, blooming very early from seed, often coming into flower the first year and thereafter a very free bloomer, almost ever-blooming. A very satisfactory plant. Pkt. 10c.

**Dennstaedtia Rigidula.** "Tree Poppy" (Native shrub). Growing 4 to 8 ft. and blooming in early spring with quantities of yellow poppy-like flowers. Seeds germinate very slowly and should be sown and soaked in hot water. Pkt. 10c.

**Duranta Plumieri.** Shrub 6 to 10 ft.; very hardy and ornamental; covered in fall and winter with yellow berries. Pkt. 10c.

**Erythrina Crista Galli.** "Coral Tree." A small half-tender tree, blooming in terminal clusters of coral red flowers; very striking. Pkt. 25c.

### RUBBER TREES—(*Ficus*)

**Cultus.** These trees can be readily raised from seed, but grow in shady beds and kept constantly damp.

**F. Macrophylla.** "Moreton Bay Fig."

Magnificent ornamental shade tree, with large bright glossy green leaves.

Per oz. \$1.

**Ficus Australis.** "Australian Banyan Tree." A fine evergreen tree; very useful for shade and shelter purposes. This and the following variety are hardy in the neighborhood of Los Angeles, but in districts experiencing sharp frosts they should be sheltered until they are four years old and well established. Per oz. \$1.

**Genista Canariensis.** Canary Island Broom. A fine yellow flowered shrub. Pkt. 25c.

**Genista Monosperma.** (Bridal Veil). A fine flowering shrub and when in flower a grand sight, being a mass of white. Pkt. 15c.

**Genista Andreana.** The Crimson and Gold Broom. A charming new variety of the Broom family, forming a handsome bush. The wings of each flower are rich crimson, the contrast being most effective and pleasing. A good proportion of the seedlings come true. Pkt. 15c.

**Genista Junccea.** "Spanish Broom." A fine hardy shrub with clear yellow flowers. Pkt. 10c, oz. 25c.

**Genista Scoparia.** "Scotch Broom." A very showy shrub, blooming in early spring. Pkt. 10c, oz. 25c.

**Grevillea Robusta.** "Silky Oak" or Australian Fern Tree." A well known shade tree with fern-like foliage and orange flowers; of rapid growth. Oz. 50c; Ib. \$6.

**Jacaranda mimosifolia.** "Brazilian Jacaranda." A handsome tree with fern-like foliage, and magnificent clusters of light blue flowers. In pods containing from 30 to 40 seeds. Per pod 5c.

**Juniperus virginiana.** "Red Cedar." A well-known American tree. Height 50 feet. Oz. 50c; Ib. \$1.50.

**Liquidambar decurrens.** "California Red Cedar." A very handsome tree, native of the Coast range from San Diego to Oregon. Some fine specimens may be seen in Santa Barbara. Height 100 feet. Oz. 40c; Ib. \$4.00.

**Lagunaria Patersonia.** A large tree, blooming in spring; large lavender-pink flowers, closely related to the Bignonia. Pkt. 10c.

**Leonotis Leonurus.** "Lion's Tail." Shrub 3 to 5 ft., blooming greater part of year. Long spikes of orange yellow flowers. Pkt. 10c.

**Leptospermum Laevigatum.** Small tree or Sweet Myrtle appearance, very hardy, fine for screening of beds, etc. Can be treated as shrub or trimmed to standard. Pkt. 10c.

**Ligustrum Japonicum.** "Japanese Privet." One of the best hedge plants. Oz. 15c; Ib. \$1.50.

**Ligustrum Communis.** Common Privet. Largely grown as a hedge; plant very hardy and of quick growth. Pkt. 10c; oz. 15c; Ib. \$1.25.

**Lavatera Assurgentiflora.** Native of San Clemente Island. It forms a spreading shrub, which is especially valuable for planting on sand dunes and banks to hold the soil, also used for planting in chicken yards for temporary shade. Flowers deep lake red. Pkt. 15c; oz. 50c.

**Lonicera Tatarica.** Tree Honeysuckle. A fine shrub. Pkt. 25c.

**Magnolia grandiflora.** "Large flowering Magnolia." A native of the Southern states, where its presence indicates good soil. Height 100 feet. Oz. 25c; Ib. \$2.50.

**Melaleuca.** One of the commonly called "Bottle Bushes" and closely related to Calistemons, which see. Fine dwarf varieties. Mixed, Pkt. 10c.

**Metrosideros Toomentosus.** Shrub 8 to 10 ft., with deep crimson flowers. Pkt. 10c.

**Melaleuca Leucadendron "Silver Bark."** Bottle Tree, 20 to 30 ft. with white bark, in thick layers. Very ornamental. Pkt. 10c.

**Parkinsonia Aculeata.** A very thorny small tree, very attractive as lawn specimen; native of No. Mexico; very hardy. Pkt. 10c.

**Photinia Arbutifolia.** California Holly. Pkt. 25c.

**Pinus canariensis.** "Canary Island Pine." Very robust and healthy, with bright green foliage. Grows nearly as fast as the "Monterey Pine." Height 100 feet. Oz. 35c; Ib. \$2.50.

**Pinus Conifera** (Macropurpurea). "Big Cone Pine." A fine natural tree, of very robust growth, with bluish gray leaves a foot in length. Has the largest cone of all pines. Height 100 feet. Oz. 40c; Ib. \$4.

**Pinus Insignis.** "Monterey Pine." Has very rapid growth and succeeds well in any kind of soil. Height 100 feet. Oz. 25c; Ib. \$2.50.

**Pinus maritima.** "Seaside Pine." Well adapted for planting near the sea. Oz. 15c; Ib. \$1.50.

**Pinus strobus.** "Weymouth or White Pine." A stately, straight and valuable tree. Height 100 feet. Oz. 40c; Ib. \$4.

**Pinus ponderosa.** "Yellow Pine." A native variety, found in the Coast Range, a high altitude. A massive tree, specimens having been found 300 feet high and 15 feet in diameter. The bark is very thick and of a red brown color. Height 250 feet. Oz. 30c; Ib. \$2.

**Pinus Torreyana.** One of the most beautiful of our native pines. A fine specimen may be seen in cultivation in the Hotel Green grounds at Pasadena. Height 50 feet. Oz. 40c; Ib. \$4.

**Pittosporum Tobira.** Shrub, seldom over 8 to 10 ft. of dark silver green foliage. Pkt. 10c.

**Pittosporum Rhombifolium.** One of the finest of the class. 12 to 20 ft. Pkt. 10c.

**Pittosporum Crassifolia.** Small tree, 12 to 20 ft. Pkt. 10c.

**Pittosporum Undulatum.** One of the most common of the class; very ornamental and satisfactory as specimen for lawn or as small street tree.

Dark shiny green leaves, and in fall covered with berries. Pkt. 10c.

**Spanish Broom.** See *Spartium*.

**Spartium Juncinum "Spanish Broom."** Shrub 8 to 10 ft. and in early spring covered with yellow pea-like flowers; very hardy; Pkt. 10c.

**Spartium Scoparium "Scotch Broom."** Hardy shrub, 8 to 10 ft. in spring covered with large yellow flowers. Pkt. 10c.

**Schinia moe.** "Mexican Pepper Tree." A well-known handsome shade tree, with light feathery foliage, and bright scarlet berries. Height 50 feet. Oz. 10c; Ib. \$1.00.

**Schizolobium Terebinthifolia.** A new variety of the Pepper Tree. Very ornamental, with striking large clusters of red berries. More ornamental than the old variety. Pkt. 15c; oz. 30c.

**Sequoia Gigantea.** "California Big Tree." The biggest of all trees, and probably the longest lived. Specimens are often found 400 feet high. Oz. 75c; Ib. \$7.50.

**Sequoia sempervirens.** "California Redwood." Well known. Wood reddish, soft, close grained, easily split, light and brittle, but very durable. It luxuriates in the cool dampness of sea fogs. Height 300 feet. Oz. 50c; Ib. \$5.

**Stenocarpus Diversifolia.** (Brachychiton Populaceum). A handsome tree of erect symmetrical growth with a heavy trunk. The leaves very curious in shape, some like popular like, others like shapes, and others slightly or deeply cut. This is without doubt the finest tree for street planting for Southern California. Oz. 50c; Ib. \$2.50.

**Thuja aurea semper-aurea.** "Ever Gold Arbor Vitae." Dwarf habit and free growth. Retains its golden color the year round. One of the prettiest dwarf evergreens. Height 4 feet. Oz. 40c; Ib. \$4.

**Thuja occidentalis.** "American Arbor Vitae" or "White Cedar." A common and well-known tree. Native of the Atlantic states. Height 50 feet. Oz. 30c.

**Thuja Orientalis.** "Chinese Arbor Vitae." A small elegant tree, peculiar for its flattened branches, which are dense and light green in color. Oz. 25c.

**Viburnum tinus.** "Laurustinus." One of the finest winter flowering shrubs, blooming abundantly during the winter. Also a valuable hedge plant. Oz. 15c.

**Wigandia (Fine Mixed).** These are exceptionally large leaf ornamental plants, growing from 10 to 15 feet high. Of very tropical appearance. The foliage is large and serrated. Flowers in terminal clusters of light blue. Pkt. 10c.

**Wisteria Chinensis "Chinese Wisteria."** Known to everyone; easily grown from seed, but are slow to bloom. Pkt. 10c.

## DECIDUOUS TREE AND SHRUB SEEDS

All those varieties quoted at less than 50c per oz. we supply at 10c per pkt.

All those quoted at 50c and upwards, we supply at 15c per pkt.

**Arizona Ash.** (*Fraxinus Velutina*). A deciduous tree of great value for street and forest culture, making a very rapid growth almost equal to the eucalyptus for rapidity of growth; no better tree grown for hot interior valleys. Plant seed in beds—or rows in early spring and transplant following spring. Pkt. 10c;  $\frac{1}{4}$  lb. 50c; Ib. \$1.75.

**Catalpa speciosa.** "Indian Bean Tree." A rapid growing tree, good for tim-



**Washingtonia Robusta**

ber claims. Flowers white and purple. Height 50 feet. Oz. 15c; Ib. \$1.50.

**Gleditschia triacanthos.** "Three Thorned or Honey Locust." Hardy and rapid growth. Will form a valuable hedge. Seeds should be soaked in boiling water before sowing. Oz. 10c; Ib. 50c.

**Lagerstroemia indica.** "Crape Myrtle." A favorite tree in this vicinity; bearing rose colored flowers in great profusion. Pkt. 15c.

**Spiraea Sibirica.** Beautiful and showy flowering plant, growing to 12 feet, closely allied to Bridal Wreath. Pkt. 25c.

**Tamarax Gallica.** A great tree for growing on salt land, or close to sea coast. Pkt. 10c; oz. 20c.

**Melia Azederach Speciosa.** "True Texas Umbrella Tree." A very rapid grower, with long pinnate leaves, and wood which is added to coke residue ash, durable and makes an excellent fuel. Thrives in dry soil. Valuable for avenue planting. Height 40 feet. Oz. 10c; Ib. \$2.50.

**Robinia Pseudo-Acacia.** Yellow or black Locust. Well known in this section. Valuable for fuel and timber. One of the best trees with which to plant timber claims. Height 60 feet. Oz. 10c; Ib. 85c.

## FRUIT, NUT AND BERRY SEEDS

**Walnuts.** All the finest grades at market prices.

**Plum, Peach, Almond and Apricots** quoted on application.

**Apple Seed.** Should be planted during early fall for best results. Lb. \$1.00. Loquat. During March and April, only. Lb. 50c.

**Fresh Orange Seed.** January to May. Price on application.

**Mulberry Cedrona.** A fine new variety from Europe. Pkt. 25c.

**Mulberry Nigra.** Black. Pkt. 25c.

**M. Tartarian.** Large fruited, imported seed. Pkt. 25c.

**Guava Strawberry.** (*Psidium Cattleyanum*). Seed in boxes and transplant when 2 inches high to pots. Pkt. 10c; oz. 30c; Ib. \$3.

**Guava, yellow.** A variety of the above with yellow fruit. Oz. 50c; Ib. \$5.

**Raspberry.** Finest sorts, mixed. Pkt. 10c; oz. 40c.



**Jacaranda Mimosafolia**

# PALM AND OTHER DECORATIVE PLANT SEEDS

**Chamaerops excelsa.** "Hardy Fan Palm." This palm grows to the height of from 20 to 30 feet; leaves fan-shaped; trunk enclosed by dense mass of rough fibres. Native of the East Indies. Oz. 10c; lb. \$1.

**Chamaerops humilis.** "Dwarf Fan Palm." An extremely handsome plant. Native of Southern Europe. Oz. 20c; lb. \$2.

**Coccos.** An elegant genus of a noble order, many species of which grow to majestic proportions.

**Cocos australis.** "Brazilian Palm." One of the hardest of all palms, harder than even the Date Palm; withstands, unprotected, a cold at which oranges or lemons are injured or destroyed. 15 seeds 10c; 100 50c.

**Cocos canariensis.** A hardy, handsome variety, well suited for open air planting, is one of the most desirable of palm-leaved palms. Per 10 seeds 25c; 100 \$2.

**Cocos plumosa.** This species attains considerable size, rising upon a stout stem to a height of 20 feet or more feet. Fine drooping bunches of waxy flowers, which are succeeded by quantities of orange-colored nuts enclosed in an edible pulp; in size about as large as chestnuts. Leaves palm-like. Native of Brazil; does well out of doors in this climate. Per 20 seeds 15c; per 100 75c.

**Corypha australis** (Livingstonia australis). A stately Fan Palm with slender trunk, from East Australia.

Hardy in Southern California; several fine specimens may be seen in Los Angeles. Per 10 seeds 20c; 100 seeds 15c.

**Erythrina edulis** (Brahea edulis). A fine growing variety from the Guadalupe Islands. Fan-shaped leaves, bright green. Hardy. Per 10 seeds 15c; per 100 75c.

**Phoenix canariensis.** An elegant and most hardy variety of the date palm, much used around Los Angeles for lawns. Very handsome and durable. 10 seeds 10c; per 100 50c.

**Phoenix dactylifera.** The Date Palm; is an erect, handsome palm. Native of Northern Africa and the Tropics of Asia where the tree attains a height of 80 feet. Lives to a great age, and yields the date fruit of commerce; hardy. Oz. 10c; lb. \$1.00.

**Phoenix reclinata.** A very fine, large-growing species; leaves pinnate, large and showy. Native of the south of France for avenues; also the best for that purpose here, as it will stand severe frosts. A native of the Cape of Good Hope. 10 seeds 15c; per 100 \$1.

**Phoenix cycadifolia.** One of the finest of the dates. Imported seeds, Pkt. 15c; \$1 for 100 seeds.

**Scaphium elegans.** One of the most beautiful of the palm family, and one of the finest subjects in cultivation for the conservatory, greenhouse or subtropical garden. Height 20 feet. Leaves from 2 to 10 feet in

length, dark green. It stands quite a low temperature. Native of New South Wales. 10 seeds 15c; per 100 50c.

**Washingtonia filifera.** The well-known California Fan Palm, which also goes under the names of *Pritchardia filamentosa* and *Brahea filamentosa*; very hardy. Per 10c; 100 50c.

**Washingtonia robusta.** A robust Palm, similar to *Washingtonia filifera*, but much finer and darker green leaves, without threads. Per 10c; 100 50c; per lb. \$1.50.

**Dracaena australis.** (Cordyline.) A palm-like tree growing to a considerable height; the stem is stout, leaves from 2 to 3 feet in length, oblong, lanceolate, and bright green; splendid for avenues. Native of New Zealand. Per pkt. 15c; per oz. 75c.

**Dracaena Indica.** (Cordyline indivila.) Sometimes called Dragon Tree. A most graceful palm-like tree, suitable for decoration either in or out of doors. Fine for avenues. Native of New Zealand. Per oz. 35c; per lb. \$3.50.

**Musa ensete.** "Abyssinian Banana." Native of the mountain regions above Abyssinia. This magnificent plant attains a height of 30 feet. The leaves occasionally reaching the size of 20 feet in length, by three feet in breadth. 10 seeds 15c.

**Musa Martenii.** A new very ornamental Banana from Africa. Highly recommended. 10 seeds 10c.

# FRUIT TREES AND BERRY PLANTS

## IMPORTANT

**Quotations on Plants, Trees and Shrubs, and all Fresh and Dried Fruits (packed for shipment) to Los Angeles, Calif., and freight or express at purchaser's expense; where not otherwise quoted. No Plants sent out C. O. D.**

## FRUIT TREES

By express or freight collect

### AVOCADOS

This tree not only produces one of the most delicious fruits, but is equally as well classed as an ornamental evergreen. Until within a few years it was looked upon as a purely tropical product, but is now finding its way quite well in Southern California, where its waxy, oblong leaves and yellowish green flowers make a pretty show in many yards, and the fruit a dainty novelty on the market. The Mexican custom is to halve the fruit, fill the cup with salad dressing, and is the usual method of eating it here. The fruit is pear shaped, and the mellow, buttery flavor appeals to even palate. Fruits very large and also quite large. One of the best. \$4.00 each.

**Harmon.** Strong grower and abundant bearer. Fruit greenish purple, weighing six to ten ounces. \$2.50 each.

**Spinks.** This we consider one of the very best varieties. Fruits very large, weighing up to two pounds when ripe, and of a deep purple color. A prolific bearer. \$4.00 each.

**Seedlings.** Plants eight to twelve inches high at 35c each.

**Anona cherimolia.** "Cirimoya." Custard Apple, a bushy tree bearing delicious fruits, some weighing as much as two pounds. Now becoming quite common in Southern California. Each \$1.50. Small plants 50c each.

**Feijoa sellowiana.** A small tree allied to guava, but more hardy. The fruit greenish, size of an egg—consisting of a delicious pulp, highly perfumed. A very ornamental small tree. 35c each. Large plants \$1.50. Budded \$4.00 each.

**Castimiron Edulis.** "The Zapote Blanco." Fruits quite large, apple shaped, of a buttery consistency, deliciously sweet and sure to be appreciated by everybody. \$1.50 each.

## CITRUS TREES

These are all balled plants and should be sent by freight.

Any of the following which we can supply at \$1.50 each, except where noted. Or we will send one of each of the eight for \$12.00.

## ORANGES

**Washington Navel.** Seedless. This is the most popular variety of orange in Southern California. The tree is a thrifty grower and is a prolific bearer. The fruit is large; flesh meaty, tender and sweet. Peel smooth and tough. Ripe December to January. \$1.50 each.

**Valencia.** Next in popularity to the Washington Navel, and very valuable as the fruit ripens later. As the navel season closes the Valencia season begins and lasts throughout summer and fall months. Tree a strong grower and very prolific. Fruit medium size, oblong, firm and having few seeds. Ripe May to October. \$1.50 each.

**Tangerines—Dancy.** Orange red skin. Fully highly flavored and of the best quality. Ripe February to May. \$2.00 each.

## LEMON

**Eureka.** This is the leading variety. Fruit uniform and of medium size. Rich in juice of the highest quality with few seeds. Bears heavy and continuously, especially during the summer months when lemons are in the greatest demand. Finest variety for shipping. \$1.50 each.

## GRAPEFRUIT

**Mars.** Seedless. Fruit of good size; juice abundant and of exceptionally fine flavor, rich and piquant. Rind

thin and lemon yellow. Tree compact and vigorous growing. \$1.50 each.

## LIME

**Mexican.** An old and well-known variety. Fruit medium size. Tree semi-dwarf habit and quite prolific. \$1.00 each.

## CITRON OF COMMERCE

Budded plants balled at \$1.50 each.

## KUMQUATS

Trees are dwarf, producing in great abundance small, handsome, olive-shaped fruit of rich golden hue. Highly ornamental. \$3.00 each.

## LOQUATS

Advance. New large fruit variety. Pear-shaped and of the best flavor. Balled (weighing 20 to 30 lbs.) 2 to 3 feet at \$2.00 each. Six ft. at \$2.75 each.

Seedlings. Four to five feet at \$1.00 each. Balled.

## APPLES

Price, 4 to 5 feet, 75c each.

**Baldwin.** Large, roundish; deep bright red over a yellow ground. Ripe in November and December.

**Bellflower.** (C. bellflower) This variety reaches its highest type of perfection, and is one of the most highly esteemed varieties grown. One of the best for this section of the country.

**Early Sweet.** Medium size, early green apples fine for early summer.

**Gravenstein.** Tree a vigorous grower, fruit large, skin yellow splashed with red and orange, flesh tender, crisp and highly flavored. Strong growing tree, a good bearing tree. A standard fall apple in this State.

**Jonathan.** Medium size, conical. Skin light yellow, with red stripes, and deep red in the sun. Flesh tender, juicy and acid. One of the best apples for Southern California, including the Mountain Valleys and Plateaus. October to December.

**Red Astrachan.** Large, early, bright red and a very early fruit.

**Rhode Island Greening.** Large and round. A fine apple for table cooking. Fresh yellow, fine grained, tender, crisp, juicy, slightly acid. A healthy and very popular tree. October and November.

**Rome Beauty.** Large and roundish, yellow shaded and striped with bright red. Flesh yellowish, juicy and sprightly. Good late keeper. One of the very best varieties for the mountain valleys of Southern California. November to February.

**White Winter Pearmain.** One of the universal favorite and extensively grown apples in California. A big commercial variety. Flesh yellowish, crisp, juicy and subacid. A good grower. Succeeds well in all parts of the State. November to January.

**Winters.** Medium size, roundish oblong. Color of skin, dark red. Flesh yellow, crisp and rich flavor. A good bearer and largely grown. An excellent table variety and one of the best for cider. November to February.

**Yellow Banana.** A comparatively new variety. Fruit large and well formed, yellow shaded with red. Flesh yellow with a rich aromatic sub-acid flavor of the best quality.

### CRAB APPLES

Price same as Apples.

**Red Siberian.** Fruit about an inch in diameter; yellow, with a scarlet streak.

**Yellow Siberian (Golden Beauty).** Large, color beautiful golden yellow.

### ALMONDS

ALMONDS—75¢ each.

**Almonds, I. X. L.** One of the popular varieties; medium soft shell; tree a strong grower.

**Almond Ne-Plus-Ultra.** Nut large, soft shell; a regular and heavy bearer; an old standard sort.

### APRICOTS

\$1.00 each.

**Blenheim.** Fruit large and oval; orange color; flesh deep yellow, rich and juicy. A great favorite for canning and for drying. Middle of June.

**Moorpark.** Large greenish-yellow, brownish-red on the sunny-side. Fruit of the highest quality and the finest flavor of any apricot. Latest to ripen. August.

**Newport.** Large, medium, round, and two weeks earlier than the Royal. A great favorite. First of June.

**Royal.** Fruit medium, oval, slightly compressed; dull yellow; flesh pale orange, with rich, vinous flavor; more extensively planted than any other variety; excellent for canning and drying.

### CHESTNUTS

Well adapted for certain sections of Southern California. Nuts highly valued and tree very ornamental. Grafters plants sold out.

### CHERRIES

75¢ each.

**Black Tartarian.** An old standard; tree a remarkable vigorous, erect and beautiful tree; deep, purplish-black; flesh rich, juicy, delicious.

**Napoleon Bigarreau (Royal Ans).** A magnificent Cherry of the largest size; pale yellow, becoming amber in the shade, with a bright red cheek; flesh firm, juicy and sweet; rapid grower and immense bearer; excellent for canning, preserving and shipping.

### FIGS

75¢ each.

**Brown Turkey.** This is a very large fig; color violet brown; the earliest of all large figs.

**Calimyrna.** One of the Smyrna figs in California began in 1882 when a large number of sions were imported from Smyrna. Out of the consignment quite a number of varieties developed, one of which stood pre-eminently to the front. It was given the name Calimyrna. Tree a strong grower. Fruit very large, skin fine lemon yellow color, flesh thick and meaty and of dark amber when ripe. Fine for drying, as it contains a higher percentage of sugar than any other fig. Also known as a Wild or Capri tree among the Calimyrnas, or procure fruits from these and hang in the Calimyrna trees.

**Capri or Wild.** Capri No. 1. A rapid grower. Profuse crop ready for distribution in two weeks of June.

**Capri No. 3.** Earliest of all the Capri. Tree spreading grower.

**Kadota.** A white fig of medium size, prolific bearer. Trees bear when very young.

**Minneola (California Black).** The large black fig most common in California. It is a good grower and bearer. 40¢ each; extra large.

**White Pacific.** Large size fig; color green; flesh light pink. When fully ripened as sweet as honey; a good grower.

**White Smyrna.** A medium-sized tree of spreading habit; fruit skin thin, grayish-green; a splendid table fig.

### OLIVES

\$1.00 each.

**Manzanillo.** Strong grower. Fruit large and oval shape. Very prolific and the best for commercial purposes.

### PEACHES

75¢ each.

### FREESTONE

**Early Crawford.** Very large, oblong; skin yellow with fine red cheek; flesh yellow; very sweet and excellent.

**Early Imperial.** Earliest yellow, good peach; extra fine quality for early.

**Elberta.** Large, bright yellow with a beautiful mottled red cheek; flesh yellow, juicy, sweet; a good bearer and strong grower; an excellent market variety.

**Poston.** Large, yellow, very popular medium early; flesh is firm; one of the best for drying, market and canning.

**George the Fourth.** Large round, skin creamy white with red cheek. Flesh pale, juicy and rich. Excellent for its exquisite flavor. Very desirable for the home garden. August.

**J. H. Hale.** A freestone of large size; highly colored; the flesh is yellow and extremely firm, yet tender and delicious. Very suitable for canning or for a fresh table fruit. Ripens about the same time as the Elberta. One of the new varieties.

**Late Crawford.** Very large, yellow, with dark red cheek; flesh deep yellow; rich flavor; a popular variety for drying and canning.

**Lowell.** Large, of excellent flavor; largely used for canning and drying. **Mayflower.** A beautiful "red all over" peach, desirable for early market. Surpasses all other early peaches for quality and color. A healthy and vigorous grower and a good bearing variety. Extremely early.

**Muir.** Fruit large to very large; perfect free-stone; flesh clear yellow, very dense, rich and sweet; pit small; a good bearer and strong grower. One of the most popular varieties for canning and especially adapted for drying.

**Salway.** Large round, skin downy, creamy, rich, clear, crimson cheek; flesh deep yellow, at the pit very juicy and sweet. A standard late peach. Tree very healthy. September.

**Sancer.** Much desired for its earliness. Fruits small and firm.

**Strawberry.** Extremely early peach, a good variety of the earliest market, white flesh.

### CLING STONES

**Henrietta.** Tree a strong grower and heavy producer. Fruit large and roundish in shape. Skin deep yellow and rich brownish on the sunnyside. Flesh is a rich deep yellow, firm and juicy. September. Especially good for home garden.

**Lemon Cling.** Fruit large, lemon shaped red on sunny side; rather acid in flavor. One of the most popular of all the canning peaches. A heavy and regular bearer. August. 35¢ each.

**Orange Cling (Runyon's).** Superior to the common Cling. Closely resembles the common sort. Fruit very large, yellow, with dark crimson cheek, rich, sugary and vinous flavor. July. 35¢ each.

**Strawberry Cling.** Very good early peach. Skin creamy white, partly covered with red. Flesh white and red near the pit. Juicy and rich flavor.

**White Heath Cling.** Creamy white, blush on the sunny side. Flesh white tender and juicy. September.

### PEARS

75¢ each.

**Bartlett.** There is no occasion to describe this variety so well known is it. Ripe in August.

**Kieffer.** Vigorous grower and heavy producer. Fruits oval and taper both toward the stem and blossom end. Fruits large, of rich yellow color with red streaks where exposed to sun. Flesh juicy and of good flavor. Ripens in October.

**Winter Nellie.** Medium size, yellowish green with grey russet; flesh yellowish white, fine grained, buttery, melting, juicy and rich. November to January.

### PECANS

Highly valued as an ornamental tree and nuts very popular. Grafted trees, 5 varieties, \$1.50 each.

### PERSIMMONS

Trees three to four feet 75¢.

Trees four to five feet \$1.00.

**Hachiya.** This tree is a very vigorous grower of upright habit. Fruit very large and oblong and of very fine quality. Early.

**Hyakume.** The fruit of this variety can be eaten while still hard, while most other varieties are found to lack flavor and are rather astringent before ripe. This tends to make it one of the very best for market purposes. Skin light buff with flesh of a dark brown color and very sweet. Ripens early. Fruits medium size.

**Tanaka Nashi.** A strong vigorous grower and a very prolific bearer. Owing to the large size of the fruit and lack of any seeds, it is a distinct favorite. Skin light yellow changing to bright red when fully ripe. Ripens in September and is recommended for drying.

**Yemen.** Skin is light yellow changing to a dull red when ripe. Flesh is deep dull red and very delicious. Not entirely seedless, but many fruits have very few seeds. Should be full ripe before eating. Ripens November.

### PLUMS

Price, 4 to 5 feet, \$1.00 each.

**Burbank.** Large, yellowish ground with red cheeks; flesh yellow, firm and very sweet when fully ripe.

**Dwarf.** Fruit small oval shape. Skin purple. Flesh juicy, rather tart and very desirable for making jam. September.

**Duarte.** True blood plum resembling the Satsuma in appearance. Of good flavor and quality. Earliest blood plum on the market. July.

**Green Gaze.** Medium size, round. Skin yellowish-green. Flavor rich and sweet when fully ripe. An old favorite. August.

**Kelsey Japan.** A very large, heart-shaped; skin mixed yellow and purple color covered with bloom. Flesh yellow, very firm, and clings somewhat to the pit which is very small.

**Santa Rosa.** Fruit large and fine. When ripe a rich deep purple with amber flesh near the stone shading to deep crimson near the skin. Quality and beauty unsurpassed. Highly valued both for shipping and for home use. Early July.

**Satsuma.** Large, dark red; flesh red, firm, solid, juicy and delicious flavor. A small pit; ripens early in August and is a valuable shipping plum.

### PRUNES

\$1.00 each.

**Sugar.** The new creation of Burbank's has probably attracted more attention among horticulturists than any other Prune of recent introduction; early tree; vigorous, carries a high percentage of sugar, dark purple flesh, tender and rich.

**Tragedy.** Medium size, dark purple; flesh yellowish green, rich and very sweet; a rapid grower and very productive.

**Wickson.** Fruit very large, heart-shaped. Skin light red to rich claret. Flesh deep amber and fine. August.

**French.** Medium size, egg shape, violet purple; very sweet and sugary; the most extensively planted for drying.

### POMEGRANATES

Price 50c each; \$4.00 per 10

**Wonderful.** Very ornamental growing shrub with beautiful yellow fruit. Pulp is of rich garnet color, juicy and a pleasing, slightly sub-acid flavor.

### NECTARINES

**Improved Red.** Very good bearer and One of the best fruits. 75c each.

**New White.** Commercially this is considered the best. Fruit large almost round, having a fine white skin which is often tinged red on the exposed side. Flesh is white, juicy and of high quality.

### QUINCES

Price, 4 to 5 feet, 75c each.

**Apple or Orange.** Large; bright yellow; the best.

### WALNUTS

**Santa Barbara Soft Shell.** Seedlings. Plants four to five feet at \$1.50 each.

### GRAPES

Price 20c each; \$2.00 per dozen. Postpaid. Except where noted.

**Black Cornichon.** Fine table grape. Strong grower. Fruit very dark purple, olive shape and of fine flavor. October.

**Black Hamburg.** Good bearer. Fruit large, sweet, juicy and coal black when ripe. Late September.

**Emperor.** Strong grower and heavy producer. Bunches large and heavy. Fruit large, thick skinned, oblong, and deep rose color. October.

**Flame Tokay.** Beautiful foliage, particularly productive and bunches very large often weighing eight pounds. Flame red color. September.

**Malaga.** Strong grower with plenty of foliage. Bunches exceptionally large. Berries oval and yellowish-green. Flesh firm and of excellent quality. August.

**Muscat.** The most popular white grape grown. Splendid to eat in green state, and the best for a raisin grape. Ripens in September.

**Sultana.** Seedless. Bunches large. Good for table and fine for raisins on account of fine tart flavor. August.

**Thompson's Seedless.** Fine for raisins. Sugar percentage very high. Also good table variety. August.

### AMERICAN VARIETIES

25c each; \$2.50 per dozen.

**Catnawha.** Foliage heart-shaped and beautiful. Fruit large coppery red. Fine for arbors. Last of September.

**Concord.** Very fine for home garden. Fruit large, round, and glossy black. Exquisite flavor. August.

**Isabella.** Large, long bunches. Fruit oval, black and a very pleasant musky flavor. September.

**Moore's Early.** Similar to Concord, but earlier.

**Niagara.** Best white American type of grapes. Bunches medium size and compact. Greenish white. Fine flavor.

**Pierrepont Concord or California Concord.**

This variety is highly valued for its ornamental appearance and its fine bearing qualities. Strong grower, heavy producer. Foliage of exceptional size and bunches very large. Fruit very large, glossy black of fine flavor and aroma. Highly recommended. 25c each.

**Worden.** Fruit very large, meaty and black. Fine for table.

**Delaware.** Very prolific and one of the sweetest of all. Light red. July.

## PLANTS FOR THE HOME GARDEN

### THE HOME AND GARDEN PAGE

**NOTE**—With any order (accompanied by remittance) of \$1.50 and over, we will send prepaid to any post office or route office by express or prepaid express within 600 miles of Los Angeles any Plants under this head.

### ARTICHOKE

**Suckers.** 20c each; \$2.00 per dozen.

**Tubers.** 25c per lb. postpaid.

### ASPARAGUS

Ready from Dec 1st to April 1st  
**Giant Argentue.** Large light green. 25c per doz.; \$1.50 per 100; \$9.00 per 1000.

**Palmetto Green.** 25c per doz.; \$1.50 per 100; \$9.00 per 1000.

### EGG PLANTS

Ready Jan. 30th

50c doz. postpaid; \$2.50 per 100, express paid.

### CABBAGE AND CAULIFLOWER

Ready Sept. 1st until March 1st  
10c per doz.; 60c per 100, postpaid.

### CELERY

Ready April until September.  
10c per doz.; 60c per 100, postpaid.

### CHIVES

Large bunch, 10c; \$1.00 per doz., postpaid.

### TOMATOES

Ready after Jan. 30th until June 1st  
**Earliniana; Stone; Beefsteak.** 25c per doz.; \$1.50 per 100, postpaid.

### PEPPERS

Ready Jan. 30th until June 1st

**Bell; Chinese Giant; Chili; Pimiento.** 25c per doz.; \$1.50 per 100, postpaid.

### KALE

10c per doz.; 65c per 100, postpaid.

### RHUBARB

**Wagner's Giant.** 15c each; \$1.50 per doz.

### HORSE RADISH

**Mulliner Kren.** 25c doz.; \$1.00 per 100.

### SWEET POTATOES

**Yellow Yamsemond; Red Jersey.** 75c per 100, postpaid; \$5.00 per 1000, by express, prepaid.

### HERBS

15c each, postpaid; \$1.25 per doz., express paid.

**Thyme; Sage; Lavender; Catnip; Marjoram; Basil; Mint.**

### HOP ROOTS

Useful and an ornamental climbing vine suitable for planting on fences, porches, and pergolas where a quick growth is desired. 10c each; 75c doz.

### CURRENTS

**Cherry.** Vigorous and productive when grown on good soil and cultivated. Berries large, deep red; rather acid. 25c each; \$2.50 per doz.; postpaid.

**Perfection.** A new variety of good quality; berries of good size; color a beautiful bright red; flavor rich, mild and sub-acid; exceedingly productive. 25c each; \$2.50 per doz., postpaid.

### GOOSEBERRIES

**Oregon Champion.** This new variety originated in the state from whence it takes its name. The fruit is large and round; berries are a fine pale color and free from mildew. 25c each; \$2.50 per dozen, postpaid.

### GUAVA

**Strawberry Red.** The most popular of the Guavas. Small plants at 25c each; \$1.50 per doz., postpaid; large plants, 35c each; \$3.00 per doz.

**Strawberry Yellow.** Similar to the above except in color. 25c each, postpaid.

**Lemon.** Fruit larger than the strawberry varieties and not so hardy to frost. 50c each.

### BERRY PLANTS

**Crandall's Early.** Ever-bearing, large and firm; good flavor, bears the entire season. Ripens early, one of the best. Per dozen, 75c; \$5.00 per 100.

**Himalaya Giant.** A remarkable grower, canes growing 10 feet high, should be trained on a trellis; a tremendous bearer and good shipper. Very few seeds. For canning and jams it has few equals and is also a fine table fruit. 10 cents each; \$1.00 per dozen.

**Mammoth Blackberry.** A mammoth in growth and unlike any other blackberry plant. In a favorable season it has attained a growth of 20 feet. The foliage is large and thick and of a deep green. Fruit is enormous, very large, some berries being  $2\frac{1}{2}$  to  $2\frac{1}{2}$  inches long, ripening three weeks before other kinds. Of delicious flavor and sure to become a great favorite. To obtain the best results plant upon a trellis, which should be set 10 feet apart and set in the plants 6 to 8 feet in the rows. 10c each; \$1.00 per dozen.

**Loganberry.** A cross between the raspberry and the blackberry, and partaking of the flavor of both, only more delicious than either. Seeds few, ripens early, excellent for eating raw or stewed. This berry is unlike any other in existence. Fruit very large, dark red and produced in immense clusters. One of the finest berries in existence. The best results are obtained by growing on a wire trellis 10 feet apart, seven feet apart and six to eight feet in the row. 10c each; \$1.00 per dozen.

**Mammoth Thornless.** This is a wonderful berry, with all of the excellent qualities of the Mammoth, but absolutely thornless. Makes a vigorous growth. Fruit large and surpasses all other blackberries in flavor. Very prolific and being thornless makes picking easy. 25c each; \$2.50 per dozen.

**Gardena Dewberry.** This is known as the trailing Blackberry on account of the trailing habit of growth. It is a strong grower and an abundant bearer. Should be grown on a trellis to obtain the best results. The fruit is large and black and glossy, very sweet and delicious. 10c each; \$1.00 per dozen.

**Phenomenal.** Larger than the loganberry, and a brighter crimson than the Raspberry. Excellent flavor, sweeter than the Loganberry. 10c each; \$1.00 per dozen.

## ROSES

We can supply the following list of Roses at 35c each or \$3.50 per dozen, except where noted. We will send these Prepaid Parcel Post or Prepaid Express (our option) if not less than six are ordered. These are two-year-old field grown plants. If you want a variety that we do not list send in your order and we will get it for you—if in the market.

After April first all roses are potted and after that time the price will be 50c each or \$5.00 per dozen, except where noted.

**American Beauty.** Too well known to require lengthy description. A grand rose in sections where it grows well. In other sections it requires skilled treatment.

**Baby Doll.** Like bush Cecil Brunner, only deep yellow shading to rose pink.

**Betty.** Coppery-rose, shaded golden yellow; large full and well formed flower with beautiful buds.

**Black Prince.** Magnificent blackish velvety crimson, an old favorite.

**Bride.** Ever-blooming Tea. Pure white, sometimes tinted with a touch of pink; large, fine form, fragrant, free bloomer; one of the most popular of white roses.

## RASPBERRIES

**Cuthbert.** This is the leading red variety. The plant strong and hardy, free grower and abundant bearer. Foliage large and abundant which protects fruit well. The berries are large, beautiful deep crimson color and of most pleasing flavor. The best commercial variety for market and shipping. 10c each; 60c doz.

**Golden Queen.** This is a seedling of the Cuthbert, but the fruit differs from it in color and is claimed by many to be superior in flavor. The berries are large and of a rich golden yellow and excellent flavor. 10c each; \$1.00 per dozen.

**Black.** Black Raspberries are very much desired by some. This has large fruit, glossy black in color, and fine flavor. 10c each; \$1.00 doz.

**St. Regis.** The "early till late" variety. The earliest and best red raspberry, but the fruit differs early, but produces good crops throughout the season. Berries large and not surpassed in flavor. Strong grower with abundant foliage. Will bear fruit the first year. 10c each; \$1.00 per dozen.

## STRAWBERRIES

### Postpaid or Expresspaid

25c doz; \$1.50 per 100; \$7.50 per 1000.

**Al Strawberry.** The earliest strawberry and the best winter bearer. Round, medium, good flavor, color pale red. Brings high prices as a winter berry.

**Big Joe.** This is a new variety, although it has been grown to a considerable extent in the east for several seasons. It shows such a vigorous growth and such a wonderful productive power and rich handsome berries that bring top prices on the market, that everyone who has seen it wants plants of it.

**Brandywine.** Plant a luxuriant grower. Fruit large, conical; flesh firm, glossy red, of fine quality. A medium to late variety, exceedingly popular, heavily grown and a splendid shipper. 20c per dozen.

**Early Ozark.** Growth is distinctly luxuriant and thrifty; foliage stands erect and is distinct from any other

variety. The leaves are thick and leathery, with healthy and vigorous appearance. Berries average large size, ripen early and are firm. We consider this one of the best large early market berries.

**Excelsior.** As a first early shipping berry the Excelsior had the field to itself for a long time and is still popular with many growers. It is a standard for earliness. Medium size, very productive and firm. The flavor is quite sweet, but is highly colored making it especially valuable for canning and syrup.

**Glendale Mary.** This berry has a very handsome appearance and is of good quality. Popular with many local market berry and as a shipper. Fruit is of large size, dark red and prominent yellow seeds. The meat is rich, juicy and very highly flavored.

**Gold Dollar.** The most noticeable thing about the Gold Dollar is its uniformity. It produces a heavy crop of large sized highly colored berries that are of perfect shape. It has perfect flowers, every one which matures a perfect berry. Medium early.

**Klondyke.** This is one of the most largely grown varieties in the United States. Acres and acres are planted as it is one of the best shippers, and demands top prices, which is largely due to its good uniformity in fruit of excellent flavor. Klondyke is a vigorous grower and adapted to a wide variety of soils.

**Marshall.** A fancy old variety, and known by most strawberry growers. It is one of the largest berries on the market, and though not quite so productive as some others, its large size, fine quality, and beautiful appearance, make it very popular.

**Neoma.** The berries of the variety are certainly handsome, large in size, glossy red, globular shape, with bright green caps, which show them up well. Blossoms are perfect and the plants produce large crops.

**Winner.** The plants of this variety are vigorous in growth, and produce a large crop of good sized berries on long stems. The fruit is slightly colored and very attractive; the berries are somewhat irregular in shape, running from long-conical to broad-conical.

cerise; fuller and deeper color than Gen. McArthur.

**Francisco Kruger.** (Yellow). Deep coppery yellow; buds are exceedingly fine.

**Francisco Scott Key.** A beautiful very deep red. A really wonderful rose for cutting. 50c each.

**Frau Karl Druschkii** (Snow Queen). The finest white rose, with large, full flowers of splendid form. It is marvelous in its beauty in half open bud and in the pure white of the full opened bloom. In a bed of a dozen plants there is seldom a day during the summer when blossoms cannot be cut, and during the spring and fall it blooms in profusion. It is the ideal rose. Strong No. 6 bushes.

**George Argentine.** Called by originator, "Pink Frau Karl Druschkii," very similar except in color to Frau Karl Druschkii. Strong grower and flowers of beautiful deep pink.

**Geo. C. Wand.** A wonderful new rose. Flowers orange vermillion, very double, large, nicely formed and very fragrant. 50c each.

**Geo. Dickson (H. T.)** Deep scarlet, shaded velvety crimson. Color wonderfully rich, especially in spring. Flowers large and very full. Very fragrant. Grows very nicely viney, almost like a climber. Moderate bloomer.

**General McArthur.** A meritorious rose in every way. Good growing variety with nice foliage and good stems. Almost a constant bloomer. Beautiful pointed bud. Rich bright scarlet.

**General Jacqueminot.** Hybrid Perpetual. An old popular variety; color brilliant crimson; large and effective.

**Gruss an Teplitz.** (Scarlet). One of the best of its color, always in bloom.

**Hadley.** Rich velvety crimson. Strong rapid grower with stiff stems. Flowers large, double and beautifully formed. Profuse bloomer and very fragrant.

**Harry Kirk.** Creamy yellow with bright amber center. Buds are much deeper in color and long pointed. Open flowers are fairly double, saucer-shaped and large. Fragrance is exceptionally fine. It is an exceedingly heavy bearer. Bush grows vigorously, branches freely and has rich, dark, glossy green foliage. About the best light yellow in this division.

**Hoosier Beauty.** One of the grandest rich red garden roses. Splendid clean foliage and a heavy bloomer. The rich velvety crimson is vivid and lasting. 75¢ each.

**Helen Gould.** Rich, solid bright pink. Buds are ideally shaped and in open flowers the petals reflex. Constant bloomer.

**Hugh Dickson.** Hybrid Perpetual. A vigorous free grower and perpetual bloomer; fine foliage; color a rich brilliant crimson; very sweetly scented.

**Irish Elegance.** One of the most beautiful bright roses. Buds superbly exquisitely formed—long and pointed—of beautiful bronzy orange shading to apricot.

**Irish Fire Flame** (H. T.). Bush fiery orange-red, open bright salmon. Very distinct, and one of the most beautiful roses.

**J. L. Clark.** Rich crimson, rich and dazzling. Blooms large and fragrant. Very strong grower.

**Juliet.** Distinct type of rose. It is a wonderful grower, sending up long strong stems surmounted by flowers

of most unique colorings. The outside of the petals rich old gold, and interior rich rosy red changing to deep rose as flowers expand. Very large and full. Delightful fragrance.

**Kaisserin Augusta Victoria.** A grand white, with all the points which go to make a perfect rose; it combines perfection in form, color, vigor and freedom of bloom. No collection will be complete without this superb variety.

**Killarney.** Flesh suffused pink. Semi-double. Buds long pointed and very beautiful. Free blooming. Very fragrant.

**Killarney Brilliant.** Much finer than the old Killarney with beautiful buds on a clear rose pink.

**Killarney Queen.** Sport from Killarney. Flowers fuller and of better color.

**Killarney White.** About the same form and pink on a clear white.

**Lady Battisson.** Beautiful long tapering bud of good substance. Color dark red fading to rose.

**La France.** Delicate silvery rose changing to silvery pink. Very large, full and of fine globular form.

**Lady Hillingdon.** Deep apricot yellow. The color is solid without any shading and absolutely unique; it can be told at a glance from any other rose known. A wonderful thing about it is that even after the flower is cut the color will deepen. It never fades. The new wood and long stems are deep yellow, making a strong contrast with the flower that has to some extent appreciated. Growth is strong and vigorous. Foliage at first dark violet, becoming a very deep green with light violet hue. Flowers are large and loose, with long pointed buds and remarkably large petals. The finest yellow rose to date, in our opinion.

**Lyon.** Shrimp pink or coral; center salmon shaded chrome yellow. No rose ever made a quicker leap into popularity. Its color is unique in form unsurpassed and fragrance delightful. Flowers are occasionally of enormous size, but always faultlessly formed.

For some unknown reason the very best flowers we have ever seen were produced on "standards"; it certainly succeeds splendidly grown that way. 50¢ each.

**Mad. Abel Chatenay.** Produces a continuous mass of exquisite salmon pink blooms; beautiful in bud or when fully opened.

**Mad. Caroline Testout.** Sometimes known as the "Portland Rose." Grand distinct variety, hardy and a continuous bloomer. Buds and blooms are large and well formed. Brilliant satiny-pink. Delightfully fragrant.

**Madam Cech Brunner.** The most beautiful of all Mayantha or Baby Roses. Color bright salmon blush; very sweetly scented.

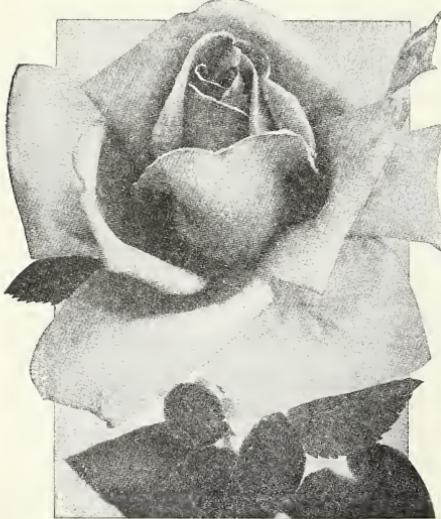
**Madame Edouard Herriot or Daily Mail.** "Superb coral red, shaded yellow at base, passing to shrimp red." Neither this description nor any other will convey a just idea of its wonderful coloring. At first sight it seems artificial. The flowers are moderately large and semi-double. Buds perfectly formed and magnificently colored. 75¢ each.

**Mad. Leon Pain.** Robust growth with dark foliage. Fine blooming. Large handsome bud of silvery salmon with orange yellow center, reverse tinged with red.

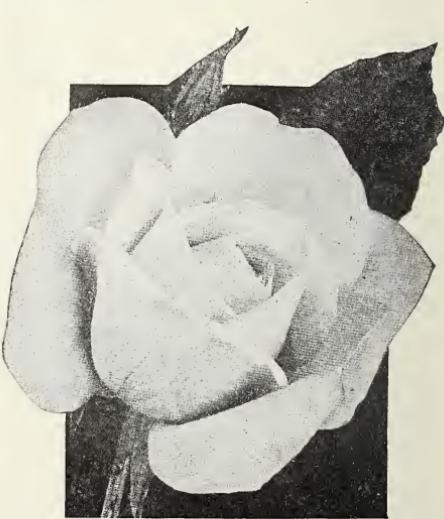
**Los Angeles.** This is a new rose nearly same color as the Lyon, only strong grower and more double. We think it is the best new rose in years. \$1.00 each.

**Maman Cochet (Pink).** Ideal in form, perfect in color, vigorous in growth and well covered with buds. Large flowers. Deep rose pink, unsurpassed for lasting qualities and now grown by the thousands as a commercial cut flower.

**Maman Cochet (Red).** Ever-blooming Tea. Grows in almost any soil or situation and produces its superb flowers in profusion; vigorous grower and free bloomer; flowers are full, perfectly double; color warm rose crimson; buds beautifully formed, long and pointed.



Red Rose, Geo. Dickson



Yellow Rose, Sunburst

**Maman Cochet (White).** Like the pink for this is the most popular of its color. These two roses are the best and freest bloomers in all the list, handy and free.

**Marie Van Houtte.** Beautiful straw color with outer petals edged with bright rose; occasionally the entire flower is a deep rose, light pink. Flowers large and very full.

**Melody.** Deep saffron-yellow; at times primrose at edge of petals. Bloom of splendid form and substance.

**Meteor.** Rich velvety crimson, constant bloomer, and one of the finest of all the reds for cutting. Flowers large and splendid stems.

**Mrs. Aaron Ward.** Hybrid Tea. Deep golden orange color, shading out to lemon yellow at the end of the petals. The buds are cupped and very deep, showing the glowing heart to the best advantage; flowers very large, full and exquisitely formed.

**Mrs. A. R. Wadell.** A beautiful salmon pink. A very beautiful color. 35¢ each.

**Mrs. Geo. Sawyer.** Everblooming Tea. Highly praised. Flowers are of clear peach-pink, large full and well formed; carried on stiff erect stems. Good foliage and splendid for cutting.

**Mrs. John Laing.** Soft pink flower of fine form and with good strong stems. Fragrant and constant bloomer.

**My Maryland.** Intense glowing pink; large flower and good stem. Robust and good.

**Opheleia.** Salmon flesh shaded rose with chamois center. A rose that is lovely at every stage. The buds and flowers are beautifully formed and colored, enhanced by rich veining on the petals. Stems are long and carry flowers erect. Could hardly be praised too highly. 35¢ each.

**Prune Goutte.** (Rich bright red.) Fine in buds not very double, but beautiful for bouquets.

**Paul Neyron.** The largest rose in cultivation. Flowers of enormous size, borne on long sturdy shoots, and usually one or even two buds. Rich dark rose in color and very fragrant.

**Perle des Jardins.** (Pearl of the Garden.) This grand old rose still maintains its popularity and is known as one of the best of its color; the flowers are large and double; clear golden yellow, succeeded in our ground.

**Perle D'Or. Yellow Baby Rose.** Nankin yellow with orange center. Buds very full and beautiful.

**Prima-Donna.** One of the most beautiful pink roses that has been introduced within the last couple years with the shadings and size of no other rose of its class.

**Rhea Reid.** Flowers good sized, full, deep, and buds exquisitely moulded. Extremely beautiful both in bud and in open flower. Color beautiful rich crimson which is lasting. Splendid sort for cutting.

**Radiance.** Hybrid Tea. A brilliant, rosy carmine, displaying beautiful, rich pink tints in the open flower; of fine form, large and full; constant bloomer.

**Red Radiance.** Flowers are large and cup-shaped, unusually elongated, very double, sweetly scented. Growth vigorous and erect, with spreading branches. Blooms freely. Well liked. 50¢ each.

**Ragged Robin.** (Gloire de Rosomanes.) Single red; a great favorite.

**Rainbow.** Ever-blooming Tea. The habit of growth and form of the flower are similar to Papa Gontier; color pink striped crimson, center amber. A pretty rose.

**Sunburst.** One of the finest of all yellow roses. Almost a constant bloomer. Flowers and buds well formed and of double depth. Richly tinted. Makes very good growth and strong stems. Beautiful foliage and clean. Color lovely golden yellow.

**Tipperary.** Like Cecil Brunner, only a deep golden yellow. One of the finest new roses. 75¢ each.

**Ulrich Brunner.** One of the very best red roses grown. Makes a splendid growth with beautiful foliage, and strong upright stems. Almost a constant bloomer. Color rich cherry-red without shading. Thornless, and much more satisfactory than American Beauty for garden culture in open ground.

**Willowmere.** "Rich shrimp pink, shaded yellow at center, with rosy carmine at edges of petals" (Pernet-Ducher). The introducer considers it an improvement on the old similar coloring, but more elegant and slenderly formed. Our test has been very limited, and while doubtful about its excelling Lyon, we certainly consider it a very lovely variety. 50¢ each.

**Winnie Davis.** Flesh pink, outer petals silvery blush. Buds long pointed; flowers large and form very nice. Clara Watson or Miss Kate Moulton. Not very double. Growth vigorous, erect and slender. An extremely heavy bloomer, particularly in spring.

## CLIMBING ROSES

The following are among the choicest of Climbing Roses. Our plants are strong and will give plenty of bloom the same season they are planted.

**Banksia White.** Distinct and valuable as rapid climber for covering arbors walls and other supports. The blossoms are small, pure white and borne in great profusion.

**Banksia Yellow.** Same as the white excepting in color, which is a beautiful light yellow.

**Climbing American Beauty.** A fine variety. Cerise red. Flowers medium size, double and very fragrant. Vigorous climber. Has little resemblance to American Beauty except in color.

**Climbing Beauty of Glazenvoorde.** Commonly called Gold of Ophir. Very rapid grower. Color a combination of copper, carmine and salmon yellow. Wonderful profusion of bloom in spring.

**Climbing Belle Siebrecht.** Beautiful flower and bud; bloom good size and fragrant. Beautiful clear pink.

**Climbing Bonica.** Identical with bush Bride, except climbing habit. Good white climber.

**Climbing Cecil Brunner.** We have in this lovely Climbing Rose not only one of the daintiest of all roses, but also one of the most useful.

**Climbing Caroline Testout.** A grand climbing form of Madam Caroline Testout. Has all the good qualities of the latter, coupled with additional strength of growth and consequently greater production of bloom. Extra good.

**Climbing Duebess d'Auerstaedt.** Splendid climber. Flowers beautiful yellow. 50¢ each.

**Climbing Gruss an Teplitz.** with the same ever-blooming habit as the bush; flowers large, fragrant.

**Climbing Hoosier Beauty.** Identical with bush of same name except habit. Wonderful rich velvety crimson. \$1.00 each.

**Climbing Hugh Dickson.** Flower identical with bush. 50¢ each.

**Climbing Kaiserin.** The counterpart of Kaiserin except that it is a climber. The buds have the same exquisite form as the parent and are the same color. Delicate ivory white. Very vigorous climber.

**Climbing Karl Druschki.** A very strong grower with blooms like the bush.

**Climbing Killarney.** Sport from popular bush rose Pink Killarney. Bloom identical with parent. Strong grower.

**Climbing Liberty.** Color extremely rich velvety crimson. Double, large, very double and full. 50¢ each.

**Climbing Meteor.** Robust climbing habit and constant bloomer. Color rich velvety crimson. Best in sunny location.

**Climbing Mme. Caroline Testout.** Sport of bush, bloom identical. Fragrant and does not fade.

**Climbing Perle Des Jardins.** Identical with bush except of strong climbing habit.

**Climbing Papa Gontier.** Identical with its parent, Papa Gontier, except its strong climbing habit. Beautiful foliage—free from mildew. One of the best climbers.

**Climbing Rhea Reid.** True sport from bush flowers identical. One of the strongest climbers. 50¢ each.

**Climbing Wootton.** Identical to the bush variety in color, but is of strong climbing character. The many years of trials for a perfect yellow rose is at last rewarded, and we consider this one of the best roses, probably the finest in color. The form of bush very well introduced of yellow color. The buds are long and pointed of great substance and when cut last extremely well. Each 50¢.

**Climbing White Cochet.** A new variety. A strong climbing sport from the popular White Maman Cochet. Flowers identical and borne very freely.

**Climbing Winnie Davis.** Sport from bush variety. Extremely strong grower. Flowers salmon pink, well formed, and a good bloomer.

**Climbing Wootton.** A superb climbing rose. Vigorous growth, fine foliage. Color velvety crimson. Petals thick and leathery, a valuable acquisition to the list of red climbers, which is none too large.

**Cherokee Pink.** A grand new climbing rose of rare beauty and undoubted merits. The lovely single blossoms are produced in the same profusion as the white sort, but are a delightful shade of blush pink.

**Cherokee (Red) Ramona.** Whatever might be said of the old-time white and pink Cherokees can be said of this novelty, and much more. It blooms very much more freely and more blossomed as an everbloom. It is a very strong grower and a superb bright red.

**Cherokee White.** Lovely pure white, single flowers, which cover the whole plant in early spring; has splendid foliage.

**Dorothy Perkins.** Noted for its hardness and vigorous habit of growth, particularly in cold climates, the flowers are borne in large clusters; a beautiful shell pink color, which lasts a long time without fading; this variety is suitable for situations where a trailing rose is desired, or can be trained over arches or other supports.

**Gainsborough.** Climbing rose of good size, growth. Delicate flesh pink. Large flower, full, fragrant.

**Hinawatha.** Valuable either as a climber or to grow over the ground or embankments. Foliage handsome and bright green. Flowers small and borne in clusters of forty or fifty. Brilliant ruby carmine with white eye and yellow stamens.

**La Marque.** Well known as one of the finest white varieties in cultivation. A remarkably profuse bloomer. Fine in bud state as a cut flower.

**Marechal Niel.** The buds and flowers of this rose are superb; extra large, double and exquisitely perfumed; the color a deep golden crimson, blossoms very freely throughout the South and West Coast; it attains a degree of perfection seldom seen in any rose. 50¢ each.

**Reve d'Or.** Unique in shades of buff and apricot; similar in form to the La Marque. One of the best climbing roses in cultivation and always in demand. During the spring and summer months the plants are smothered with blooms.

**Tansendschoen.** "Thousands Beauties." Hardy climber of great merit. Flowers produced in clusters in immense profusion. Delicate pink changing to carmine as the flower opens.

**William Allen Richardson.** Orange yellow. Flowers rather small, but well formed and borne very profusely. This, with its vigorous growth and healthy constitution, makes it a valuable and popular climber.



## DAHLIAS

These prices are for good strong divisions of roots or plants, when the demand exceeds the supply, or when preferred by the customer we will furnish plants at the proper time for planting.

Tubers may be planted in most locations in Southern California by the middle of March, but plants should not be planted before May 1.

**Culture.**—In planting the tubers do not stand the tuber on end, but lay flat about four inches below the surface in moist well cultivated soil. Keep the soil well cultivated, using care not to disturb the tuber. From the time that they come up until buds form irrigate regularly and cultivate often and deep, keeping the surface of the soil loose. Do not sprinkle but make a trench and let the water run in slowly for a long time to get the moisture down below the roots. After the buds form the ground should be mulched, as this is not convenient to cultivate the surface of the soil lightly after each irrigation.

The following list of Dahlias is a selection of the finest varieties of recent introduction and are particularly adapted for Southern California culture.

### ABBREVIATIONS

Dec., Decorative; Peo., Peony; Car., Cactus; H. Cac., Hybrid Cactus.

**Abatone** (Dec.) Beautiful shell pink; bloomer. 50¢ each.

**Barnone** (Dec.) Pale yellow, strong growing variety; good for cutting. 25¢ each.

**Beauty of Rosemont** (Dec.) Large beautiful blooms of rosy pink shade. \$1.00 each.

**Bilbie Burke** (Dec.) Large soft yellow, free bloomer, splendid for cutting. \$1.50 each.

**Copper** (Peo.) Beautiful copper shade tinted with bronze and apricot; a general favorite. 50¢ each.

**Cream King** (Peo.) Soft cream flowers of immense size. Fine for exhibition. 75¢ each.

**Delfee** (Dec.) Fine shade of pink, good bloomer and lasts well when cut. 25¢ each.

**Dorothy Burnbaugh** (Cac.) Deep and rich pink. Very large flower of fine form, splendid for exhibition. \$1.00 each.

**Dr. Davis** (Dec.) Copper, old gold and old rose. Wonderful coloring. Ideal growth, splendid stems and immense flowers. Always a prize winner. \$2.00 each.

**Futurety** (Dec.) Wonderful old rose. Free bloomer and splendid for cutting. 75¢ each.

**Geisha** (Peo.) Stunning mixture of scarlet and gold. Always in demand. 50¢ each.

**George Winters** (Cac.) Pinkish salmon shading to yellow. One of the best. 75¢ each.

**Golden West** (H. Cac.) The most popular Dahlia grown. Beautiful golden yellow. Very free bloomer and lasts well when cut. Good stems. 25¢ each.

**Helen Burnbaugh** (H. Cac.) Delicate bluish deepening toward the center. One of the best for cut flowers. \$2.00 each.

**Jane Selby** (Dec.) Delicate lavender pink. Immense flowers beautifully formed. Good all round Dahlia. \$1.00 each.



Nibelungenhört

**Lady Helen** (Dec.) Beautifully toned pink with slight veins of white running through petals. Free bloomer. \$2.00 each.

**Lady Rae** (Dec.) Rich deep canary yellow. Large blooms, strong stems. Tall growing. 75¢ each.

**Mad. de Normandy** (H. Cac.) Silvery pink shading lilac. Sometimes called "Pink Golden West." \$1.00 each.

**Magnificent** (H. Cac.) Oriental buff overlaid with satiny salmon. Very attractive flower of immense size and fine texture. A favorite. \$1.50 each.

**Millionaire** (Dec.) Delicate lavender and faint pink. Monstrosity flower. Fine stem. \$2.00 each.

**Mrs. Alfred Stern** (H. Cac.) One of the best lavenders. Petals bilobated. 25¢ each.

**Mrs. Estes** (Dec.) Pure white, very large and deep. Erect on fine stems. \$2.00 each.

**Mrs. Jack Green** (Peo.) Bright scarlet. Immense blooms on stiff stems. Beautiful in garden and for cutting. \$1.00 each.

**Mrs. Jessie Seal** (Peo.) Magnificent old rose with golden shading. All round good Dahlia. Fine form and stem. \$1.50 each.

**Mrs. R. Lohman** (H. Cac.) Pure yellow, immense size, good for cutting. \$1.00 each.

**Nevada** (Dec.) Pure white, large size, long stem. Lasts well when cut. 50¢ each.

**Nibelungenhört** (H. Cac.) Old rose shade. Free bloomer and good size. 50¢ each.

**Norman** (Cac.) Scarlet. Every good quality. Immense flower. Petals tightly quilled. Fine for garden and cutting. 75¢ each.

**Perritor** (Cac.) Deep amber tipped white. English novelty. Petals long and quilled. Very large flower. 50¢ each.

**Prima Donna** (H. Cac.) Creamy yellow shaded faint pink. Large flower of splendid form. Excellent for cutting \$1.00 each.

**Pride of California** (Dec.) Crimson red. Huge flowers. Very double and wonderful shape. Fine stems. \$2.00 each.

**Queen Peter** (Peo.) Dazzling new shade of red. Enormous full flower. Wonderfully free bloomer. \$1.00 each.

**Rosemar** (Dec.) A rich rose pink. Enormous flower. Very fine bloomer. Very much admired and a general favorite. \$3.00 each.

**Ruth Glandell** (H. Cac.) Soft yellow shading pink on the outer edge. Beautiful bloom, always in demand for cut flowers. \$1.00 each.

**Stanner** (Dec.) Canary yellow, immense flower of fine form. \$2.00 each.

**Tom Lundy** (H. Cac.) Bold rich crimson flower. Full to the center. Excellent stem and very free bloomer. Much admired. 75¢ each.

**Yellow King** (H. Cac.) Beautiful clear yellow. Fine straight stem. Good for cutting. 75¢ each.

## POMPON DAHLIAS

Pompoms are tiny flowering varieties, often not more than an inch in diameter. Ball shaped.

Special collection, one each of six varieties named. Six for \$1.00.

25¢ each.



# Hardy Evergreen Trees and Shrubs

## IMPORTANT

Quotations are at store, Los Angeles.  
Postage on Express Extra  
No Plants Sent Out C. O. D.

OUR TERMS Are Strictly Cash With Order

**HOW TO ORDER.** Write your name, postoffice, state and express office plainly on every order and every time you write to us. Give plain shipping directions where none are given us we use our best judgment but you must be at the customer's expense and risk.

Use one line for each kind ordered.

**Acacia Cultriformis.** Foliage of this variety is triangular in form; color beautiful sea-green; profuse in bloom; of medium-sized growth. A most lovely variety. 50c each.

**Acacia Saligna.** A small tree of weeping habit with deep golden yellow flowers. 3 to 4 ft. 50c.

**Acacia Melanoxylon** (Blackwood Tree). A strong upright tree with very delicate pink and sweet ornamentation. 2 to 3 feet. 25c each; \$2 per 10; 3 to 4 feet. 40c each; \$3.50 per 10; 6 to 7 feet. 75c each; \$6 per 10.

**Acacia Mollissima.** A fine erect-growing tree, with glaucous green, feathery foliage; flowers yellow, produced in long sprays of green profusion. A rapid-growing tree. 2 to 2 1/2 feet. 50c each; 3 to 4 feet. 60c each.

**Acacia Retinoides Floribunda.** Pendulous habit; sea-green foliage; very floriferous and sweet perfumed. 2 1/2 to 3 feet. 50c each.

**Araucaria Bidwilli.** Branches in regular whorls; closely set with spiny, shining, deep-green leaves. Very handsome in the lawn. Thives well in 4-inch pots. 75c each; balled, 1 1/2 feet, \$2; 2 each; balled 2 1/2 feet, \$3.50 each.

**Abelia Grandiflora.** A garden hybrid. Free-flowering shrub with small, opposite, glossy, green leaves. Flowers are tubular, almost an inch long, white, pink, yellow, or blue. In large, ruddy sepals remain after the flowers fall, adding to the showy effectually all summer. A very fine shrub. 50c each.

**Araucaria Excelsa** (Norfolk Island Pine). One of the handsomest of all trees, pyramidal in form and very symmetrical; hardy in protected locations. Excellent for parlor decorations. \$1 to \$5, according to size.

**Arbor Vitae, Golden.** A very choice shrub. It is of a low, compact growth; foliage beautiful golden-yellow. For lawn adornment it is unsurpassed. The yellow foliage contrasting to perfection with the green lawn. Balled, \$1.50 each.

**Broom, Spanish.** An upright growing shrub. Flowers yellow, producing very freely in the spring and summer. Pot grown, 2 to 3 feet. 30c each.

**Buxus sempervirens.** Boxwood. Europe, Africa and Asia. 5'-10 ft. Hand-some shrub of dense compact growth. Leaves small, deep green. Used for low, formal hedges. Also trained into various artificial forms such as round-headed standards, pyramids, globes, etc. Can be kept at any size and trimmed into shapes. 2 to 4 inches 10c; 8 to 10 inches. 25c each.

**B. japonica.** Japanese-Box. (S.) 6 ft. A handsome species characterized by its very glossy foliage, which has a pleasing light green shade. Leaves turn golden red in autumn. Most excellent hedge as it is of very even and comparatively rapid growth, hence easily kept in shape. 3 to 4 inches 10c each; \$8.00 per 100.

**California Live Oak** (*Quercus agrifolia*). A familiar sight in our California landscapes, which adds so much to its beauty. Pots, 2 to 3 feet, 50c each.

**California Redwood.** 4-inch pots, 30c each; balled, 1 1/2 feet, 60c each.

**Camphor Tree.** A fast-growing, very symmetrical, ornamental tree, thriving in the very poorest soil. A native of Japan. Bright green foliage; well adapted for lawn purposes. 4-inch pots, 2 feet, 40c each; 3 feet, 60c each.

**Ceratonia siliqua.** Carob, St. John's Bread, Mediterranean region. (T.) 40 ft. Although of great economic value on account of its edible pods, this splendid tree is also one of the handsomest ornamentals adapted to our climate. It is of regular growth with spreading branches forming a rounded head; leaves large, pinnate with large, leathery, deep green, glossy leaflets. Very resistant to drought and not inclined to become dusty. 1 to 2 ft. 50c each.

**Choisya ternata.** Mexican Orange. (S) 8 ft. Compact shrub of rather slow growth. Leaves light green, divided into three leaflets; fragrant when crushed. Bears a profusion of white, very fragrant flowers in broad clusters. 50c each.

**Coprosma baumeri.** New Zealand. (S) Low-growing shrub, or can be trained as a low climber. Leaves are rounded, green and wonderfully glossy, exceeding any plant we know of in this respect. Will not stick to them. Flowers are inconspicuous, but followed by clusters of showy, yellow berries. 50c each.

**Crape Myrtle (Crimson and White).** Words fail to convey an adequate idea of the beauty of this shrub. They are best in a warm section and blossom for a long period; the flowers have curiously crumpled petals. 3 feet, 50c each.

**Cryptomeria Japonica.** The Cryptomeria thrives best in a dry, hot climate; therefore it is just the tree for this State. It is of rapid growth, and is very ornamental as a young tree. 4-inch pots, 50c each.

**Cypress, Lawsoni.** This California species is most beautiful and is of either an upright growth; the branches droop gracefully, and the foliage is of a lovely sea-green color. 4-inch pots, 50c each; balled, 1 to 3 feet, 60c each; \$5 per 10.

**Cypress, Monterey.** A native of California and one of the most desirable of evergreens. Very extensively planted for hedges. Transplanted in boxes. 2 years, 100, \$3; pot grown, 1 foot, 25c each; balled, 2 1/2 to 3 feet, 75c each.

**Diosma Alba, Breath of Heaven.** A handsome little shrub, with healthily foliage and small, white, star-shaped flowers. The leaves when bruised emit a sweet perfume. 50c each.

**Erica melanthera.** One of the most desirable of the Heath family. Through out late winter and spring the whole bush is literally covered with light rose-colored flowers. Balled, 1 to 1 1/2 feet, 25c each.

**Eucalyptus Globulus, Tasmanian Blue Gum.** One of the most useful of all and a very rapid grower. Pot grown 2 to 3 feet, 20c each. Transplanted in boxes. \$1.75 per 100. Ask for special quotations on quantities.

**Eucalyptus Rostrata, Red Gum.** Transplanted in boxes. \$1.75 per 100. Pot grown, 25c each; \$2 per 100.

**Eucalyptus myrtifolia, Brush Cherry.** Evergreen shrub of easy culture; of erect and compact growth. Foliage glossy green. The new growth takes on a reddish hue which gives it a unique appearance. Flowers myrtle-like. Balled, 2 to 3 feet, \$1.50; 1 to 1 1/2 feet. 75c each.

**Euonymus Japonicus.** One of the finest evergreen ornamentals for hedges or for individual planting. Erect habit, with beautiful glossy foliage. Can be trimmed into almost any shape. 50c each.

**Grevillea thelemanniana.** Beautiful evergreen shrubs having fine feathered foliage and producing throughout the summer clusters of brilliant scarlet flowers, borne on the ends of the branches. Potted, 1 1/2 to 2 feet, 50c; 1 to 1 1/2 feet, 35c.

**Hypericum Moserianum.** Produces long, slender, much branched stems, leafy at the base and drooping towards the ends; it is marvelous in flower, of large size, measuring from 2 to 2 1/2 inches in diameter; in color a rich golden yellow, which is rendered still more brilliant by the numerous yellowish stamens and crimson anthers; blooms continuous the entire season. Strong plants. 50c each.

**Jacaranda ovifolia (J. minnesotae).** Brazil. 50 ft. Symmetrical tree with bipinnate, extremely finely divided, large leaves. Flowers tubular, violet blue, with large panicles. Too tender for sections that have severe frosts. Highly valued wherever it will thrive. 50c each.

**Laurustinus.** A well-known winter-flowering shrub of great beauty, producing abundance of white flowers; well adapted for hedges. 15c, 35c each.

**Libocedrus Deodarae** (California Incense Cedar) or white cedar. One of our most hardy and ornamental conifers. 1 ft. 6-inch pot, 60c.

**Ligustrum Japonicum** (Japan Privet). Produces large clusters of white flowers, slightly fragrant, followed by purplish blue berries; leaves glossy, leathery, dark green. A large-growing shrub (or small tree). Makes an excellent hedge; stands trimming well. It also makes a very handsome sidewalk tree when trimmed up. In boxes, \$2.00 per 100 pots 25c each.

**Myrtle, Common.** A dwarf shrub with shining green leaves and fragrant white flowers. 50c each.

**Pepper Tree.** A most popular shade and ornamental tree, with fine feathered foliage; producing clusters of reddish berries in autumn. 35c each.

**Pine, Monterey.** The most desirable pine for shade, and more extensively planted than any other variety in this State. Pot grown 2 to 2 1/2 feet, 50c each.

**Pines Canariensis.** A quick-growing pine with beautiful glaucous foliage. Balled, 3 to 4 feet, 35c each.

**Pittosporum Eugenoides.** A large, upright-growing shrub, with glossy yellowish green leaves; a very effective shrub, and excellent for hedges. 1 1/2 feet, 25c; \$2 per 10; 2 1/2 feet, 30c each, \$2.50 per 10.

**Pittosporum Lindlatum.** Flowers sweet-scented; very desirable. 1 1/2 feet, 35c each.

**Poinsettia, "Flor de Pascua."** The pride of southland at Christmas time. 50c each.

**Snowball.** Produces large, globular pure white flowers in great luxuriance. 2 1/2 feet, 35c each.

**Spiraea, A. Waterer.** A fine new dwarf variety, with dark crimson flowers. 1 1/2 feet, 30c each.

**Spiraea Van Houtte, Bridal Wreath.** Flowers double white; produced along the branches in great profusion. 35c each.

**Swainsona Galegifolia Alba.** This variety has delicate white flowers. 50c each.

**Swainsona Grayana, Darling River Pea.** Flowers rose color, produced in sprays of from 12 to 20 flowers each. The individual blooms resembling the pea flowers, a sweet perfume, small, acacia-like. A most desirable ever-blooming plant. 50c each.

**Weigelia Rosa.** Elegant shrub from Japan; they produce superb large, trumpet-shaped flowers of a fine rose color. 2 to 3 feet. 50c each.

**Lilac Buddleia.** Five varieties of the best varieties for this climate. 60c each.

# CLIMBING VINES For Every Purpose

## CLIMBING VINES FOR Every Purpose

All plants under this head are posted paid in California, Arizona and Nevada at the prices quoted, and are knocked out from pots and wrapped in moss. If wanted in pots we will ship by express at purchaser's expense.

**Ampelopsis Quinquefolia, Virginia Creeper.** Leaves palmate, handsome and curiously assuming in autumn a gorgous crimson hue. 50c each.

**Ampelopsis Veitchii, Boston or Japan Ivy.** A great improvement on the old Virginia Creeper; fast-growing in the shade or sun. 50c each.

**Asparagus Plumbos Nana.** Small plants (pot grown), for bedding out. We have a very large stock and constant correspondence. Each 10c; doz. \$1.00 post paid.

**Asparagus Sprengeri.** A fine hanging basket plant, very hardy, and highly recommended for baskets, porches, boxes, etc. Small size 25c; medium size 40c; large size 75c.

**Bignonia Grandiflora, Trumpet Vine.** Rapid-growing climber, bearing large orange-yellow trumpet-shaped flowers in great profusion. 50c each.

**Bignonia Venusta.** Orange-colored trumpet flower, evergreen. 50c each.

**Bougainvillia.** Evergreen. The Bougainvillia are becoming greater favorites every year. They have peculiarly shaped flowers, somewhat resembling the leaves in shape, the color being of rose, pink and produced at the end of the branches in wonderful profusion. 50c each.

**Bougainvillia Brasiliensis.** Larger flower and lighter color than above. 2 to 3 ft., 50c each.

**Bougainvillia Sandiana.** Deep magenta red. 2 to 3 ft., 50c each.

**Clematis Montana.** Produces its pure white flowers in early summer; very floriferous and fast-growing. 50c each.

**Clematis paniculata.** 35c each. **Ficus Repens.** A fine ornamental climbing plant. The best evergreen vine for covering buildings, trees, or other supports with stone, brick or wood. Its small, deep green leaves and close clinging habit make it very attractive. Large plants 25c each, \$2.00 per

10; smaller plants 20c each, \$1.50 per 10.

**Jasminum Grandiflora.** One of the best species. Blooms abundantly, perpetually during the summer and fall; erect growing, branches drooping and angular. 35c each, \$3.00 per 10.

**Jasminum Mandevillei Suaveolens, "Chili Jasmine."** A beautiful climbing vine from South America, bearing clusters of waxy white flowers in great profusion; intensely fragrant, 50c each.

**Jasminum Revolution.** The well known yellow Jasmine; a half climbing plant of strong rapid growth; very fragrant. 35c each, \$3.00 per 10.

**Lonicera Japonica Halliana, "Hall's Japanese."** Evergreen, vigorous climber; flowers pure white, changing to yellow; deliciously fragrant; borne in great profusion. 35c each, \$3.00 per 10.

**Lonicera Sempervirens.** "Red Coral." A high-climbing vine with stems ten to fifteen feet long, leaves oval or oblong, green or bluish-green above, glaucous beneath; flowers scarlet, about two inches long, in profusion and very showy. 35c each, \$3.00 per 10.

**Muehlenbeckia Complexa.** Rapid growing twining vine, with dark wiry stems and tiny leaves; known sometimes as the Maiden Hair Vine. Excellent for covering trees, posts, fences, etc. 35c each.

**Passion Vine.** Pink. 50c each.

**Passion Vine.** Scarlet. 50c each.

**Plumbago Capensis.** Flowers most attractive shade of azurine blue; unrivaled for their continuous blooming and drouth-resisting qualities; foliage clean and smooth. May be grown as a spreading shrub or as a half climber. 35c each, \$2.00 per 10.

**Solanum Jasmoides.** Of strongest growth and a free bloomer. Flowers are white shaded purple. 35c each.

**Tecoma Australis.** This beautiful vine is exceedingly useful for covering the sides of buildings. Unsurpassed in value lies in its elegant thick foliage and rampant growth. Flowers are small but produced in great profusion. Color creamy white. 35c each.

**Tecoma capensis, "Cape Honeysuckle."** A half-climbing species usually grown on trellises or porches, or can easily be trained into shrub form by

cutting the long shoots back severely; flowers glowing scarlet. A compact grower and almost continuous bloomer; excellent for sunny places. 40c each.

**Vitis Capensis.** Evergreen grape. A very attractive climber with shiny bronze leaves. Young plants, small, at 50c each.

**Vitis Rupestris.** Similar to above but much taller, tall flowered. Fine for hanging baskets. Each 50c.

**Wistaria Multiluga.** "Japanese Loose-clustered Wistaria." A rare species, bearing purplish or lilac-colored flowers in immense loose clusters, sometimes two feet in length. 2-year, \$1.00.

**Wistaria Multiluga Alba.** "New." "White Japanese Wistaria." Same habit as the former, but has white flowers. 2-year, \$1.00.

**Wistaria Multiluga Rosea.** "New." "Pink Japanese Wistaria." Variety of the multiluga with delicate pink flowers. 1-year, \$1.25 each.



Wistaria Multiluga

**Lobelia.** Dwarf blue. 35c per doz.; \$2 per 100.

**Monnierianthemum.** These are much used for bedding purposes and planting on banks and hillsides where there is a scarcity of water. They make a gorgeous sight when massed. Perhaps the showiest of them all is the one which produces the large, single, pale lavender. We can also supply plants of the small lavender-colored one, either at 50c per doz. or \$2 per 100.

**Marguerite.** White. 15c each; \$1.25 per doz.

**Marguerite.** Yellow. 15c each; \$1.25 per doz.

## Our Pansy Plants Are Fine

**Pansies.** Good strain; mixed colors; per doz. 35c; \$2.50 per 100.

**Primulas.** Chinese and obconica. Fine subjects for shady beds; each 25c; 5 for \$1.00; \$2.00 doz.

**Primula Malacoides.** A new Hybrid Primula which has become immensely popular. Owing account of its hardy nature and free flowering, growing in habit similar to Obconica but is considered finer; of light lilac to pure white in color. Ready Oct. 1st to March 1st. \$1.00 per doz.; \$7.50 per 100.

## Bedding Plants

**NOTE—All plants under this head** posted paid in California, Arizona and Nevada at prices quoted—and are knocked out from pots and wrapped in moss. If plants are wanted in pots they must have to go by express at purchaser's expense.

**Axonanthus Umbellatus (Blue African Lily).** Extra strong, established plants, 35c each.

**Alternanthera.** Much used for bedding purposes; of low growth; stands clipping well. Ready about April 15th. Yellow and red varieties, 50c per doz.; \$4.00 per 100.

**Aster, the Brachycephala.** Crimson, lavender, pink and white. Ready about April 15th. 35c. \$2.00 per 100.

**Begonia Vernon.** This variety grows about eighteen inches high. The foliage, in the sun, turns deep olive green shaded and edged with purple. Flowers bright red in color; magnificently set off by abundant dark foliage. 10c each, \$1 per doz.

**Begonia Erfordii (Beauty of Erford).** It is more dwarf and spreading than Vernon and bears three times as many flowers. The color is a lovely soft pink throughout, which does not

fade in the hottest sun. It blooms ten months in the year; grows about twelve inches high, and makes a most beautiful border for Cannas, Geraniums, Scarlet Sage, etc. All ready about April 15th. 10c each; \$1 per doz.

**Cineraria.** As a winter blooming plant for house culture or for use for bedding under the shade of large trees, these are invaluable. We offer a fine strain. 25c each; \$2.50 per doz.

**Daisies.** Double, all colors. 35c per doz.; \$3.00 per 100.

**Fuchsias.** Best assorted. 15c each; \$1.50 per doz.

**Gomphrena Speciosa.** Flowers orange-yellow, produced in the greatest abundance in the spring and early summer. For making borders where there is a lack of water, this plant cannot be beaten. 75c per doz.

**Gomphrena** (Baptisia). Ready January to May. 25c per doz.; \$2.00 per 100.

**Hydrangea Hortensis.** This plant is a most satisfactory one, blooming as it does for such a long period; they succeed admirably when planted in a shady place in the garden. 25c each; \$2 per 10. Large plants, 50c each.

This List Ready March 15th.

Asters. Assorted colors. 25c doz.

Canterbury Bells. Mixed. 50c doz.

Coreopsis. 35c doz.

Delphinium *Bella Donna*. \$1.00 doz.

Forget-me-nots. 35c doz.

Foxglove. Mixed. 50c doz.

Gallardins. 50c doz.

Hollyhocks. Mixed. 60c doz.

Pentstemon. 50c doz.

Petunia. Single mixed. 60c doz.

Petunia. Double mixed. \$1.00 doz.

Saiglossis. Mixed. 35c doz.

Salvia. 60c doz.

Scabiosa. Mixed. 25c doz.

Shasta Daisy. 50c doz.

Stocks. 35c doz.

Verbena. Assorted colors. 25c doz.

## GERANIUMS

Any of the following list at \$1.00 per doz. 10c each. Postpaid. Ready March 15th.

Chas. Turner. Ivy leaf. Flower rose pink.

General Grant. Single scarlet; one of the most popular.

Double Gen. Grant. Same as above except with a double flower.

Gilt of Gold. Foliage variegated green and gold. Flower single scarlet.

Jean Blad. Flower semi-double and beautiful bright pink.

King of Bronze. Foliage bronze; flower salmon pink.

La Favorite. Double white.

Mrs. E. J. Hill. Single flower of salmon pink.

Mrs. Parker. Foliage variegated white and green with single scarlet flower.

S. A. Nutt. Flower double; dark red.

## CHRYSANTHEMUMS

No plants sent out C. O. D.

Not ready to send out before April 15th.

We can furnish a good list of above in the principal cutting varieties during May and June.

Price \$1.25 per doz. postpaid (our selection).



W. E. Etherington

## CANNAS

Any of the following 15c each, \$1.25 per doz., postpaid in California, Arizona or Nevada.

Canna Golden Queen. Semi-dwarf golden yellow color; green foliage, large flower and extremely showy.

H. C. Morris. Semi-tall; green foliage, flower extremely large of deep salmon pink color. Extra fine.

Beneon. Green foliage. Moderate size flowers of very rich cardinal which are produced in great masses. A remarkable bloomer. Height 4 to 5 ft.

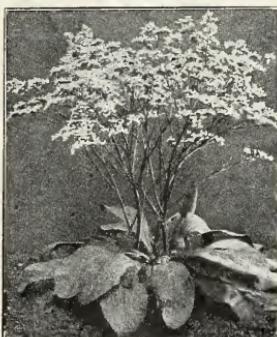
Long Branch. A magnificent vermillion scarlet with golden yellow border, throat flame yellow. Luxuriant green foliage, height 5 to 6 feet.

King Humbert. A wonderful variety with bronze foliage and beautiful large bright scarlet flowers. Grows about 4 1/2 ft. Free blooming.

Yellow King Humbert. A sport of the well known variety King Humbert. Same habit of growth but with dark green foliage. Flower very large, beautiful deep rich yellow heavily spotted and blotched with bright red.

### STATICE PLANTS

We have several varieties of statice and solicit correspondence.



Statice Latifolia

Statice Latifolia (Sea Lavender.) A very satisfactory plant both as an ornamental and for cutting. The flowers are classed as everlasting and last indefinitely after cut—fine for mixed bouquet—small plants 25c each; large 25c.

Statice seed, see page 43.

## GLADIOLUS

(December to April)  
Postpaid

Culture—The bulbs should be planted about five or six inches deep in any good light or sandy soil. They flourish best in an open sunny situation.

America. Well known and most popular florist's variety. Beautiful pink color, blooming close and compact on stem. 5c each; 50c doz.

Annie Wigman. Soft yellow with yellow blotch. 5c each; 50c doz.

Baron J. Bulet. Finest deep blue. Exceedingly popular and flowers open well. 5c each; 50c doz.

Halley. Magnificent salmon-pink; fine form and extra fine. 5c each; 50c doz.

Mrs. Francis King. Fine variety with long spikes. Pleasing shade of light scarlet. One of the best reds. 5c each; 50c doz.

Niagara. Very large flowers of beautiful cream shade with carmine blotch. Erect stem. 10c each; \$1.00 doz.



Gladiolus

Mrs. Frank Pendleton. Very large, clear pink with carmine blotch in throat. 10c each; \$1.00 doz.

Panama. Magnificent pink. Immense flower and grand variety. 10c each; \$1.00 doz.

Principes. Brilliant crimson scarlet with white throat. Flowers very large and striking. 10c each; 75c doz.

White Excelsior. A new pure white, vigorous grower with long strong spikes and large flowers, which open well. 5c each; 75c doz.

Flame Mixed. A good mixture of all colors. 5c each; 50c doz.

## SUMMER FLOWERING BULBS

### AMARYLLIS

Bella Donna. The handsome pure pink, blooming in large clusters and lasting a long time after cut. A rare and most delicate color in the so-called Lily family. Monster bulbs 25c; 5 for \$1.00. (By express only).

Volotta Purpurea. (Scarborough Lily.) This is by far the finest bloomer of all the Amaryllis Group. A beautiful deep scarlet—blooming in clusters and is fine as a pot plant. Flowers last for a long period. Large bulbs 25c.

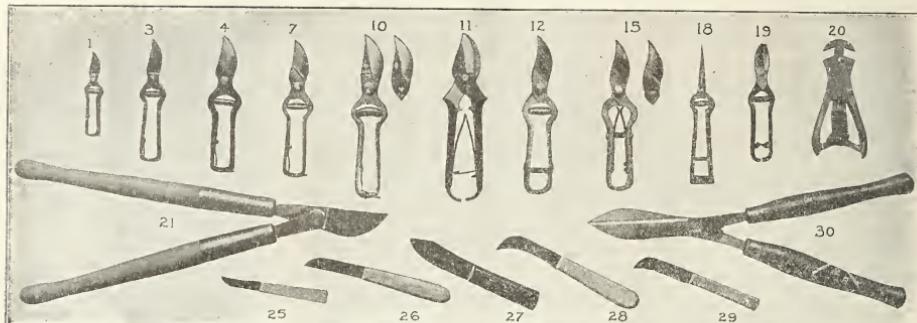
### YELLOW CALLA

Calla Elliottiana. The true deep golden yellow, finest of all yellows. Each 25c; 5 for \$1.00. Postpaid.

### TUBEROSE

Excelsior Pearl. This is the variety so universally grown by florists for cutting. The best bloomer. 10c each; \$1.00 per doz.

This showy flower has become very popular, it is perhaps the prettiest of summer flowers. They will do better if protected a little from direct rays of noonday sun. They also make fine pot plants.



## KNIVES, SHEARS AND GARDEN TOOLS

All Hardware Prices Net at Store—Postage Extra

### GRASS SHEARS

**Grass Shears (Sheep Shears Pattern)**  
Old German. This is a very high grade of shear. A-1 in every respect. Each \$1.00.

**Grass Shears.** Good quality. Each 85c.

**Grass Shears, Extra Fancy Quality.** (Sheep pattern). Professional. Each \$1.25.

**Grass Shears.** The best shear made for this work. This is a light hedge shear. Made particularly for grass, border shear, or succulent hedge shear. High quality. Each \$1.40.

### PRUNING SHEARS, ETC.

**No. 1—Ladies' Flower Shear.** 5½-inch, \$1.50 each.

**No. 3—Ladies' 8-inch flower shear and trimmer.** Each \$1.25. (California pattern).

**No. 4—Shear Pruning.** Best American. 8½-inch, Japaned, each.....\$1.40 9-inch, Japaned, each.....1.50

**No. 7—Shears, Pruning.** (California pattern). Japaned. A good article. No. 7, 9-inch, \$1.25.

**No. 13—The Swiss.** A first-class, polished shear. Medium weight. Long brass springs. Made for hard work. An extra blade with each shear. \$3.00.

**No. 15—Reiser's Special Professional.** This is the same style as No. 12, except furnished with long brass springs instead of the coil spring as in No. 12. One extra blade.

No. 15 Shear, 8½-inch ....\$6.00

**No. 19—Orange Clips.** Used for picking oranges, lemons or useful for picking flowers. \$1.00 each.

**No. 21—Cronk's Lopping Shear.** One of the best shears for heavy work made. Makes cleaner cut and more closely than any lopping shear on the market. These have 20 and 24-inch handles:

No. 21—Light grade ....\$2.80

No. 21—Extra heavy .... 3.00

**No. 22—Clyde Red Clipper Lopping Shear.** Extra strong, with heavy ferrule. \$3.30 each.

**No. 26—Catteragus** wooden handle, straight blade Grafting Knife, each 50c.

**No. 27—Morris & Snow's Special Lawn Weeding Knife.** extra heavy, made especially for us. Each 45c.

**No. 28—Special wooden handle Pruning Hook.** Each 50c.

**No. 29—Grape Picker's Knife.** Made specially for grape picking. Each 25c.

**No. 30—Hedge Shears.** Forged solid steel blades, offset shank; hardwood handles:

8-in. wt. 3 lbs. each....\$2.25

**BUDGING, GRAFTING AND GARDENERS' KNIVES**  
All Kinds Postpaid.

**No. 18—Budding Knife.** Same as No. 1, except in shape of blade. Each \$1.40

**No. 2—Two Blade Combination.** Bud-  
der and pruning blade. High quality.  
Each \$1.25.

**No. 3—Pruning Knife.** Jordan's med-  
ium heavy. Each \$1.25.

**No. 5—Pruning Knife.** Heavy good  
grade. Each 75c.

**No. 6—Pruning Knife.** Henckels Dutch  
style. A fine easy knife in the hand.  
Each 85c.

**No. 7—Pruning Knife.** Imitation stag  
handle. Each \$1.40.

**No. 9—Heavy Pruning.** (American.)  
Good quality. Each \$1.25.

**No. 10—Grafting Knife.** Best for stump  
or root grafting. Each \$1.00.

**No. 11—Three Blade Combination.**  
Pruning and budding blade. Each  
\$1.35. Light weight, \$1.25.

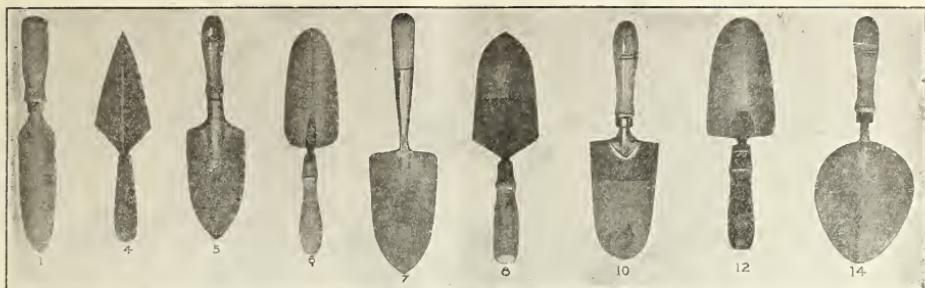
**No. 12—Two Blade Combination.** Bud-  
ding and pruning. Each \$1.40.

**No. 13—Ivory Handle Budding.** The  
fanciest article we carry. \$1.75.

**No. 14—Black Bone Handle Budder.**  
Same blade as No. 13. Each \$1.40.

**No. 15—Budding Knife with Ivory tip.**  
Good quality. Each \$1.40.





## GARDEN TROWELS

**No. 1**—Transplanting trowels, all steel, well made and strong, 3 sizes.

No. 1, 5-inch ..... 25c

No. 1, 6-inch ..... 25c

No. 1, 7-inch ..... 30c

**No. 4**—Pointing or transplanting, handy for planting from boxes, bent shank. All steel, first class. Each 50c.

**No. 5—Never Break.** A good trowel and the best value for money. Each 35c.

**No. 6—Ladies' Trowel.** A light steel trowel, riveted blade. Each 15c.

**No. 7—Maynard Socket Trowel.** The strongest trowel made; straight or bent shank. Each \$1.25.

**No. 8—Johnson's Best.** All steel, bent solid shank. Each 60c.

**No. 10—Johnson's Oval Shank.** Steel trowel, one piece. Each 25c.

**No. 14—Bulb Trowel.** All steel, broad blade, one piece, extra heavy; suitable for bulbs or large rooted plants. Each 75c.

## PRUNING SAWS

**The Crescent.** This style of saw is very popular with the pruner. Made of first class saw steel. 11-inch and 12-inch blades, \$1.00 each.

**Crescent, Tyler's, Folding.** 10-inch blade with long teeth. Best of steel. \$1.50.

**Double Edge Pruning Saw.** This is a combination saw with coarse teeth on one edge and fine on other:

Double Edge Saw, 16-inch, \$1.00

**California Swivel.** Clock spring bladed blade. Double swivel. Best for nurserymen. 16 or 18 inches, \$1.25.

**Nurseryman's Swivel Pruning Saw.** The most satisfactory saw made for this purpose. The blade can be adjusted at any angle and makes the work of pruning in difficult places easy. All steel, first class article. Each \$1.30. Extra blades 35c each.

## MOLE AND GOPHER TRAPS

**The Reddicks.** The best trap on the market for catching the mole. Practical in every respect. 90c each.

**Gopher Trap—Macabane.** One of the best on the market. Each 25c.

**The Box Trap.** A very popular make. Each 25c.

## WEEDERS, FORKS, DIBBLES, ETC.

**No. 15—Sturgis Lawn Weeder.** A very practical weeder. Each 35c.

**No. 16—Ball Weeder.** Very satisfactory. Each 35c.

**No. 20—New Perfection Weeder.** A very heavy tool made for hard usage. Each 35c.

**No. 17—Sargent Weeder and Cultivator.** A nice tool to work up the soil around or in beds of plants. Each 30c.

**No. 18—Onion Hoe.** A very handy small hoe for working in flower beds: No. 18, Short Handle, 12-in. 50c each. No. 18, Long Handle, 4 ft. 65c each

**No. 19—Excelsior.** 5-Prong Weeder. Each 15c.

**No. 21—Norcross Cultivator.** In 12-in. and 4-ft handles. Extra attachment for fastening this Cultivator to wheel hoe. 15c each.

No. 21, Norcross, short, 3-tooth, .50c

No. 21, Norcross, long, 3-tooth, .90c

No. 21, Norcross, long, 5-tooth \$1.45

**No. 22—Eureka Steel Weeder.** A good article. Each 45c.

**No. 23—The Gem Weeding Fork.** All steel tines. Each 45c.

**No. 25—Three-Tine Weeder.** Cast. Each 15c.

**No. 26—Dibble.** D-handle, cast steel, round. Each 65c.

**No. 27—Dibble.** Pistol grip wood handle, steel points 2 sizes:

o. 27, Small ..... 45c

No. 27, Large ..... 50c

**No. 29—Dibble.** Cast iron handle, steel point. Each 50c.

## WOODEN LABELS

Unpainted P'td. 100 1000 1000

3½-in. iron wire tree. \$ .20 \$1.20 \$1.70

3½-in. copper wire tree ..... 30 1.75 2.10

4-in. Pot Labels ..... 20 1.25 1.35

6-in. Pot Labels ..... 35 1.30 1.65

8-in. Pot Labels ..... 70 1.60 2.10

12-in. Gard. Labels, P'td. 1.10 ..... 1.10

**Moss.** Selected Sphagnum. Per lb. 25c

Nurserymen ask for special prices on the above.

## HANGING BASKETS

**Wire Hangers**—In all sizes, made of best galvanized wire, and thoroughly wound, in the following sizes—larger sizes made on request:

Wire Hanging Basket, 8 in. 35c.

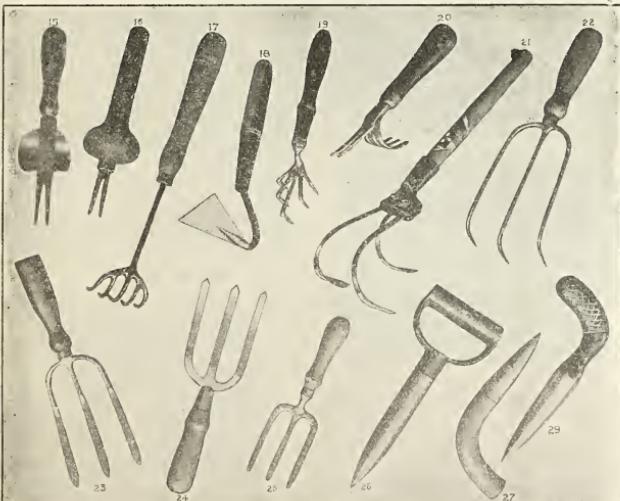
Wire Hanging Basket, 10 in. 45c.

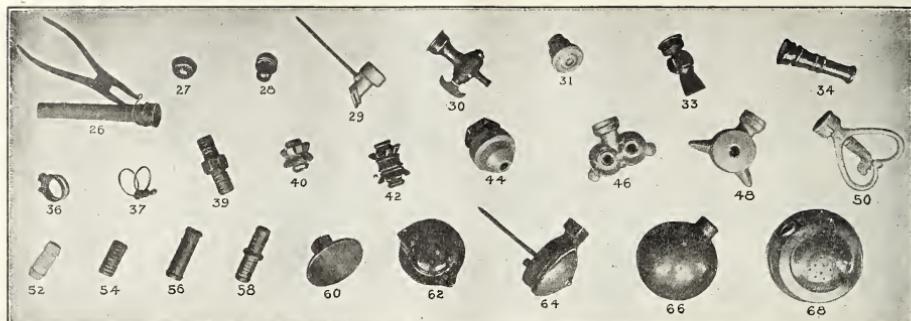
Wire Hanging Basket, 12 in. 60c.

Wire Hanging Basket, 14 in. 75c.

Wire Hanging Basket, 16 in. 90c.

**Wire Wall Pictures**—Made of same material as baskets, but designed for hanging on the wall. 8 in. \$1.00; 10 in. 45c; 12 in. 65c. Larger sizes \$1.00.





## GARDEN HOSE, SPRINKLERS, ETC

### GARDEN HOSE NON-KINKABLE

A new brand of hose, manufactured especially for greenhouse use. The inner tube is made of the best quality rubber and is very strong. The jacket is woven in such a way with the outer cover that it is extremely pliable and will not kink or crack. We believe this Hose to be superior to the Electric with which most people are familiar and have no hesitation in recommending it to all of our customers. Comes in reels of 500 feet; order exact number of feet you require.

**Hose, Non-Kinkable.** Molded. A very high-grade stock. All coupled over 25 ft. lengths.  $\frac{3}{4}$ -in. heavy double weave. 25c per ft.  $\frac{1}{2}$ -in. heavy double weave. 23c per ft.

**Non-Kinkable** double and single weave. This is slightly lighter grade than above.  $\frac{3}{4}$ -in. 25 ft. and over 22c ft.  $\frac{1}{2}$ -in. 25 ft. and over 20c ft.

**5-Ply Hose.**  $\frac{1}{2}$ -in. coupled in 25 and 50 ft. lengths. 14c ft.

**Hose Washers.** Universal, for either  $\frac{1}{2}$  or  $\frac{3}{4}$  inch hose. 5c doz.; 75c per lb.

### SPRINKLERS, LAWN AND GARDEN

**The Dewdrop.** An 8 ft. galvanized lawn sprinkler and is in use in nearly every block in the city. A very satisfactory sprinkler. Each \$2.50.

**The Brass Dewdrop.** 7 ft. brass pipe, perfectly graduated with holes that make a perfect spray. Does not rust. Fluted with substantial legs. Each \$2.00.

**No. 26—Hudson's Hose Mender Set.** This is very complete, including clamping pinches, bands and copper menders. Complete set 75c each. Hudson's extra bands. 10c doz.

**No. 27—Thompson's Cap Fan Spray.** Very satisfactory sprayer. Each 20c.

**No. 28—Thompson's 2 Slot Spray.** Each 20c.

**No. 29—Wilgus Fan Spray,** with prong for setting in ground. Each 35c.

**No. 23—Oakland.** One of the best combination sprays on the market. By turning the fan over makes a straight stream. Each \$1.00.

**No. 34—Boston Spray.** An old favorite. Each 65c.

**No. 36—Hose Mender Bands.** Brass with screw clamp. Each 10c; 3 for 25c. Both sizes.

**No. 37—Magic Hose Band.** 2 for 5c; 25c dozen, in both sizes,  $\frac{1}{2}$  to  $\frac{3}{4}$ .

**No. 39—Hose Couplers.** Brass. Per set, 25c. Both sizes.

**No. 40—Perfection Clinching Hose Menders.** Has flange that mashes down over hose and holds securely. Each 15c. Either size.

**No. 42—Perfection Clinching Hose Couplers.** Strongest coupler made. Each 35c. Both sizes.

**No. 46—Twin Sprinkler.** An old popular kind. This one is brass lined. Each 35c.

**No. 48—Thompson's New Model.** A very fine spray, throwing water very evenly. Brass lined. Each 35c.

**No. 50—Blakes Sprayer.** These are for putting on high stand pipes. Each 70c postpaid. We have these in  $\frac{1}{2}$  inch and  $\frac{3}{4}$  in pipe thread.

**No. 52—Wooden Hose Menders.** 15c dozen. Both sizes,  $\frac{1}{2}$  inch and  $\frac{3}{4}$  inch.

**No. 54—Brass Hose Menders.** Corrugated. Each 5c.

**No. 56—Cooper Hose Mender.** Made of heavy brass and outlasts many pieces of hose. It is made with heavy bars that hold the hose from separating. Each 15c. Both sizes.

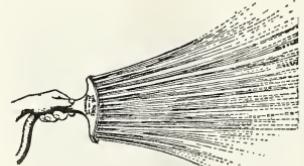
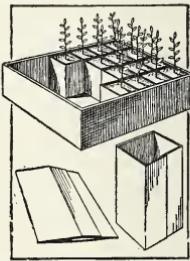
**No. 58—Iron Hose Mender.** Both sizes. Each 5c.

**No. 60—Boston Green House Rose.** An old favorite for lawn or garden. Each \$1.00.

**No. 62—C. B. G. Sprayer.** "Cheap but good." Heavy cast iron. Each 60c.

**Fountain Ring.** Polished pressed brass, 8-inch diameter hollow ring, perforated top. No loose parts. \$1.00.

**The Ross Sprinkler**—(See Ills.) One of the finest hand sprinklers made, fits any hose coupling. Fine for new lawns, greenhouses or garden. Has broad spray and covers large area. Each 75c.



The Ross Sprinkler

**The Grant Paper Pot.** Comes square in several sizes for different growing plants. It is largely used for putting young plants, vegetables and trees. This has no bottom in, merely of collapsible water-proof paper. Should be set in boxes or flats, fine for early Tomatoes or Egg plants.

**Prices—Net—Postage, Express or Freight at purchasers' expense.**  
2x2x6 (59 lbs. per 1000) 100, \$1.00;  
1000 \$3.75.  
2x2x6 (59 lbs. per 1000) 100, \$1.25;  
1000 \$0.80.  
3x3x6 (58 lbs. per 1000) 100, \$1.50;  
1000 \$1.00.

**Paper Tree Protectors**—and also the Yucca Protectors are always in stock; ask for prices, stating size and number wanted.

### REDWOOD STAKES

These stakes are sawed from straight grained, seasoned redwood. Painted green with good oil paint.

3 ft.  $\frac{1}{2}$  in. by  $\frac{1}{4}$  in., 40c doz.; \$2 per 100.  
4 ft.  $\frac{1}{2}$  in. by  $\frac{1}{4}$  in., 50c doz.; \$2.40 per 100.  
5 ft.  $\frac{1}{2}$  in. by  $\frac{1}{4}$  in., 60c doz.; \$3 per 100.  
5 ft. 1 in. by 1 in., 85c doz.; \$5.00 per 100.  
6 ft.  $\frac{3}{4}$  in. by  $\frac{1}{4}$  in., 70c doz.; \$3.50 per 100.  
6 ft. 1 in. by 1 in., \$1.00 doz.; \$5.50 per 100.



Misty

## SPRAYERS AND SPRAY PUMPS

All Sprayers should be sent by express but the smaller ones can be sent by parcel post if necessary, at risk of purchaser. We will carefully pack for safest delivery possible. Postage to be paid by purchaser.

**Misty Sprayer.** A single action sprayer of heavy tin, made to fill calls for a heavy can Sprayer to use in gardens, plant houses and for applying stock dips, fly poisons, etc. Not a cheap Sprayer, but a good Sprayer at a low price. Holds one quart. 60c each.

**Auto-Sprayer No. 37.** Continuous Atomizer. This pump operates continually. It will handle all solutions for spraying in the greenhouse, garden and pony lot. Brass tank, brass ball valve and siphon tube are easily removed in case the pump needs cleaning. It is furnished with both straight and angle spray caps. One and two quart sizes.

1 qt. all tin ..... \$1.00  
1 qt. tin pump, galv. tank ..... 1.25  
1 qt. tin pump, brass tank ..... 1.50  
2 qt. tin pump, galv. tank ..... 1.50  
2 qt. tin pump, brass tank ..... 1.75

**Man. Bucket Pump.** An all brass pump, plunger and valves; nothing to get out of order, and one of the most serviceable pumps on the market. Makes fine and coarse spray by simply reversing atomizer; furnished with  $2\frac{1}{2}$  ft. hose; pump and hose only, \$5.00. Weight packed, 10 lbs.

**Auto-Sprayer No. 1** compressed air sprayer is the strongest and most simple in its working. The pumping of about fifteen strokes on the plunger will discharge the contents under high and constant pressure. After pumping the operator has nothing to do but direct the spray. This sprayer is equipped with our new patented



Standard



No. 2 Atomizer



Auto No. 37



Lowell Compressed Air Sprayer

non-clogging nozzle. Shipping weight 10 lbs.

Galvanized tank ..... \$7.00

Brass tank ..... 10.00

**Standard.** This is an all purpose hand sprayer to be used for insecticides, whitewash or disinfectants. It is made entirely of brass, double acting. The pump cylinder is small in diameter and for that reason the operator can generate to high pressure with little effort. Standard pump, hose, nozzle and strainer complete ..... \$5.50  
Standard extension rod brass ..... \$1.00

## LOWELL

**Lowell Compressed Air Sprayer.**—No waste of liquid, the automatic valve is always closed except when touched lightly with the index finger. Holds three quarts of liquid and sprays with all the pressure you can control. It is then ready to operate. There is a rubber extension to reach low and high plants also a curved rod extension so that a man standing can spray the under side of the leaves of small plants. One great merit of the sprayer is that the valve of the pump does not come in contact with the liquid which is the great weakness of other sprayers. Price with curved rod extension, \$7.00. Brass tank, \$10.00. Price of curved extension, \$1.00. Weight crated 20 lbs.



**Utility No. 40.** Hand lever pump, mounted in 12 gal. galvanized iron truck with pump and nozzle for handling all spraying and painting solutions. Furnished with a good lever in pump and agitator; fitted with 8-ft. hose and extension rod and first-class spray nozzle. Price, complete, No. 40, as described, \$32.00  
No. 40A. Same with air compressor ..... 42.00

Utility No. 10-15  
Knapsack Sprayer

The only sprayer that can be operated as desired in one's natural position. The Utility Knapsack is an extra high pressure sprayer especially adapted for spraying trees, poultry houses, outbuildings, barns and vegetation of all kinds; also used for whitewash, cold water paint, Bordeaux Mixtures and Paris Green.

Shipping weight complete 10 lbs. Packed one in a box. Equipped with our Patented Utility Nozzle.

Tank capacity 3 $\frac{1}{2}$  gallons; size 7 $\frac{1}{2}$  x 20 inches. Made of heavy galvanized iron or brass. Heads seamless sweated and riveted. Tested at 95 lbs. Tank equipped with Standard Hose Connection and heads so constructed as to eliminate danger of blowing out.

**Pump Cylinder** is made of heavy brass tubing with Bronze Ball Check Valve and a brass or brass cage which does not deteriorate like rubber. Pump and filling cap held securely by screw top. No twisting action on gasket, thereby prolonging life.

Nozzle of our own patent, made of brass, can be adjusted to be operated at any desired distance. Shut-off is always at nozzle end; designed with large waterways and strainer to prevent clogging. Seat and valve stem made of brass and equipped with a strong box. Equipped with our No. 65 Angle Nozzle unless otherwise ordered.

No. 10—Galvanized ..... \$7.00

No. 15—Brass ..... 10.00

# INSECTICIDES AND FERTILIZERS

POISONS and LIQUIDS Are Not Mailable and Must Go By Express or Freight

**"Black Leaf-40"** is a concentrated solution of Nicotine-Sulfate. Nicotine does not evaporate at ordinary temperature, whereas, from nicotine alone it does. Therefore nicotine-sulfate is particularly desirable for all purposes requiring a strong nicotine solution possessing lasting properties. This is the strongest and all tobacco solutions for spraying outside.

1 ounce bottle makes 6 gallons of spray, 25c;  $\frac{1}{2}$  lb. tin, makes 50 gallons of spray, \$1.00; 2 lb. tin, makes 200 gallons of spray, \$3.25; 10 lbs. tin, makes 1000 gallons of spray, \$13.75.

**"Nicofume" Liquid** is a highly refined solution of fine nicotine and has exceptional properties. It is guaranteed to contain 40 per cent of nicotine by weight in water solution. It contains no alcohol, camphor or other chemicals or adulterants which might impair its effectiveness. Nicofume is especially well adapted to florists' general needs, both for fumigation and spraying purposes.

$\frac{1}{4}$  lb. tin, price 65c; 1 lb. tin, price, \$2.00; 4 lb. tin, \$7.50; 8 lb. tin, \$14.50.

#### "NICO-FUME" PAPER

One of the easiest and most effective methods of fumigating greenhouses is to use "Nico-Fume" Tobacco Paper. This material consists of sheets of paper impregnated with a definite amount of high-strength refined nicotine solution. Consequently, "Nico-Fume" Paper does not produce the harmful effects of tobacco smoke, the fumes of which are often dangerous to health. "Nico-Fume" will be found especially suitable for fumigation of roses, chrysanthemums, carnations, ornamentals and, in fact, all cut flowers (except violets, which are sometimes susceptible to injury). Can containing 24 sheets..... \$1.25 Can containing 144 sheets..... 5.00 Can containing 288 sheets..... 9.50 Special quantity discounts on twenty-four, forty-eight and ninety-six 2 gross tons. Write for particulars.

#### ANT POISON

**Watch It Get 'Em.** Kills by contact. It is slow acting, odorless and non-poisonous. An ant coming in contact with the powder does not die instantly, but is infected as he comes in contact with others until they are immediately infected. Once an ant is infected it is sure to die within a half an hour. By simply dusting the powder across their path or around their hole the colony will soon be destroyed. 25c and 5 lb. pkgs.

**Arsenate of Lead.** A compound of dry arsenate of lead, a good dusting powder for spraying. Highly recommended as a dusting powder, as an eradicator of leaf cutting insects—also cut worms, for corn worms apply over silk as soon as silk shows and repeat in 10 days. As this is the most convenient preparation of its nature, we have found (Poison) not mailable.  $\frac{1}{4}$  lb. 40c; 1 lb. 70c; 5 lbs. \$2.75; 10 lbs. \$5.

**Slug-Shot.** Destroys insects injurious to house and garden plants, vegetables and fruits of all kinds; also poultry lice; as effective as Paris green without the danger from poisoning. 1 lb. 20c; 6-lb. pkg. 65c. Postage extra.

**Tobacco Dust.** The most economical form to use tobacco as an insecticide, fatal to green and black fly and similar garden pests, by simply dusting over the plants. If dug around the roots will keep away many pests below ground and insure health to the plants. 15c per lb. or, if by mail add Parcel Post rates. Ask for price in quantity.

**Whale Oil Soap.** A soap made especially for spraying plants infested with scale or lice. 1 lb. can 25c. Postage add 10c.

**Bordeaux Mixture.** (Powder) Ready for use by simply adding water.

**Resin Wash, Concentrated.** For spraying or dipping trees; highly recommended by the Horticultural Commission for black root and other garden and fruit life. Dilute with water and it is ready for use. Ask for prices by the barrel.

**Resin-Wash.** 1 lb. 30c; 2 lbs. 45c; 4 lbs. 75c. Can go by post at zone rate.



#### TREE TANGLEFOOT

To prevent insects and pests from climbing into trees and shrubs.

**Tanglefoot**—1 lb. 50c; 3 lbs. \$1.45. **Tanglefoot**—10 lbs. \$4.50; 20 lbs. \$8.75.

#### SHERWIN WILLIAMS INSECTICIDES

##### Why Spraying is Necessary

There has never been a time in the history of the United States when it was so necessary for growers to conserve and protect, in every possible way, their fruit and vegetable crops.

Developments in spraying during the past few years have been very marked. This is largely due to the good work being done by the many State Experiment stations and independent growers interested in the work.

Insect pests and plant diseases are rapidly increasing in number. They are found everywhere: East, West, North and South.

Few people now consider spraying an expense. They look upon it as a good investment, necessary to produce large and healthy crops, not to speak of bigger profits.

Spraying is useless, however, unless proper materials are used and developments in the art of spraying have not kept pace with the rapid progress of insecticide manufacturers in producing insecticides to do the work for the growers. It is just as important to select good insecticides as it is to spray. It costs exactly the same amount of money to apply poor insecticides as it does good ones.

The Sherwin-Williams Fungicides and insecticides are the best that money can buy. For years insecticide experts in the employ of the Sherwin-Williams Co. have worked unceasingly to develop our Insecticides and Fungicides to the highest point of perfection.

This year we offer a full line of Dry

Powdered Insecticides which can be carried over from year to year, if necessary. They are simpler and less expensive to use than the paste materials and cut freight rates down to a minimum.

For special information, write us, as we anxious to serve you.

**S-W Dry Powdered Arsenate of Lead.** A product representing the highest point of development in insecticide manufacture today. Very light in gravity, affording splendid suspension qualities. Not mailable.

$\frac{1}{2}$  lb. cans ..... \$ .45  
1 lb. cans ..... .70  
5 lb. cans ..... 2.75

Larger quantities at corresponding prices.

**S-W Fungi-Bordo.** A convenient everyday concentrated mixture of Bordeaux materials in dry form. Spray is made by simply adding cold water and stirring. Not mailable.

1 lb. cans ..... \$ .50  
5 lb. cans ..... 2.25

Larger quantities on application.

**Sherwin-Williams Fly Spray** is a liquid preparation designed to kill flies off cattle and horses, and also repel lice, ticks and certain other vermin.

1 qt. can ..... .65c

**Sherwin-Williams Insecto** is a new development in the insecticide field. It is a combination of Arsenate of Lead and Bordeaux Mixture in dry powdered form, and therefore produces a perfectly fresh mixture when prepared for use by the grower.

1 lb. can ..... .60c

**Dry Lime-Sulfur** is very simple to use. It goes into solution in water almost instantly and spraying operations can be started immediately. It is simply a case of dissolving the desired amount of powder in the spray tank, filling the tank with water and spraying operations start.

1 lb. cans ..... \$ .35  
5 lb. cans ..... 1.50  
10 lb. cans ..... 2.50

Larger quantities on application.

**S-W Paris Green** No better Paris Green can possibly be made. Can be used in spraying operations with the assurance of best possible results. For chewing insects. Not mailable.

$\frac{1}{2}$  lb. pkg. ..... \$ .40  
 $\frac{1}{2}$  lb. pkg. ..... .70  
1 lb. pkg. ..... .90  
2 lb. pkg. ..... 1.50

**S-W Phenol** is a combined cold water paint and powerful disinfectant. It paints white and kills germs in one operation. 1 lb. can 25c; 5 lb. cans \$1.00. Postage extra. Larger quantities on application.

**S-W Pruning Compound.** This paint has a heavy oil body, which dries on the cut with a rubbery, elastic film. Its covering capacity and special preservative qualities make it more adaptable than tar or white lead. Put up in quarts ..... \$ .75  
Gallons ..... 2.25

**SQUIRREL AND GOPHER POISON**  
**KILL QUICK Squirrel and Gopher** is a first class species and effectual remedy for cleansing out all like rodents. Comes in 3 size pkgs. No. 1 size 35c, postage 10c; No. 2 size 60c, postage 15c; No. 3, 5 gal. cans, \$6.00, by express or freight collect.

#### NOTE

Owing to the great fluctuation on all agricultural seeds, we cannot hold our prices. Write to quotations in large quantities. So when in the market kindly note quantities you need and ask for spot current prices.

# Lawn and Garden Tools

## FERTILIZERS

The value of Commercial Fertilizers to the market gardener cannot be overestimated. Compared with the results secured by the use of Fertilizers, their cost is insignificant. They greatly increase not only the yield, but also its quality, they push the crops rapidly forward to maturity, getting them into market early, and thus insuring a better price. Freight or Express.

We handle and recommend Bradley's Complete Fertilizers for garden, field or orchard. 100-lb. bags, \$3.75. Special prices on large quantities. When inquiring state for what crop it is to be used.

### BONE MEAL

This is a special brand we have put up for our trade. It is ground fine hence acts quickly. It is made from bone accumulated in large slaughter houses and should be compared with the Bone Meal made from cattle heads and feet, gathered upon the Western prairies. Our Bone has been slightly steamed to soften it and is thus quicker in its action. Per 5-lb. pkg. 25c; 10-lb. 50c; 100 lbs. \$4.00. Large quantities priced for application.

**Sheep Manure.** Fine ground, specially prepared for flower and vegetable garden use; a strong and safe fertilizer, strong in nitrogen and highly recommended for growth in flowers and vegetables. 100 lbs. \$1.75.

### NITRATE OF SODA, OR CHILE SALT PETER

Nitrate of Soda is not a substitute for other measures, but we recommend it as the cheapest and best form in which to apply Nitrogen to plants. 100 lbs., 4 lbs. 50c; \$6.00 per cwt. Nitrate cannot be sent by mail.

### YUCCA TREE PROTECTOR

Just the thing with which to protect the young trees and shrubs from the rays of the hot summer sun, from rabbits and other injury, being cheap and serviceable. By freight or express.

Size	Per 100	1000
30 in. long, 7 in. wide.....	\$3.75	\$25.00
24 in. long, 7 in. wide.....	2.00	14.00
18 in. long, 7 in. wide.....	1.75	15.00
16 in. long, 7 in. wide.....	1.60	13.50
14 in. long, 7 in. wide.....	1.40	12.00
12 in. long, 7 in. wide.....	1.25	11.00
10 in. long, 7 in. wide.....	1.15	10.00

### CULTIVATORS

**Hall No. 6** With Plow, Hoe, Cultivator and Rake attachments, 24-inch wheel.....\$6.00  
Extra tooth cultivator attachment.....1.00

### PLANET, JR., CULTIVATORS

We Carry a Full Line of Planet, Jr. Hand Tools.

Catalogue and Prices furnished upon application.

**Brown's Lawn Sprinkler**—Cast iron; a cheap, but excellent lawn sprinkler; will work under low pressure and throw an even spray. Each postpaid, 25c.

### THE HANDY GRAPPLE CART

Every farmer needs a Grapple Cart, and this cart is the simplest, handiest and strongest cart on the market. One that will pick up any ordinary barrel without any fixtures on the barrel. A boy can easily pull it and wheel it and wheel it where desired. This cart is used in connection with one of our No. 6 King Pumps—making one of the handiest spray outfits on the market. Wheels are 36 inches high, 2½ inch face tires, all steel, with one-inch axle, and steel frame. Handy Grapple Cart, \$17.50.



Dunham Water Ballast Roller

### Dunham Water Ballast Roller, No. 7—

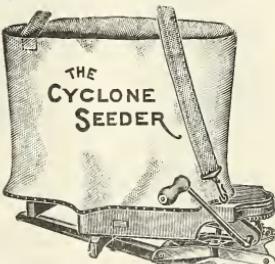
Made of extra heavy sheet steel. Net weight about 125 lbs. and when filled with water weighs about 400 lbs., fine for lawn or tennis court. Each \$22.00.

### Dunham Water Weight Roller, No. 3—

14-inch diameter, length 26 inches. Each \$15.00.

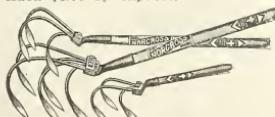
### Dunham Double-section Roller—

Cast in two sections, on shaft, with balanced handle. Weighs 250 lbs. net. \$22.00.



**The Cyclone Seeder**—This seeder is a good cheap one and every year seeing alfalfa should use something of the kind. This is so graduated that it will sow alfalfa, clover, turnips, millet or even barley or wheat. Each \$2.00 by express.

**Cahoo Seeder**—In every respect a first class seeder—recommended by all that have used them. They are used for sowing alfalfa and like seed. They save the price if one sows any great quantity of seed. Each \$5.00 by express.



Norcross Cultivator

**Norcross Cultivators.** These are a very popular tool for loosening and cultivating the soil after irrigating. They are very easily handled, a child

can pull them. They come in three sizes—short handled, 3-tined, long handled, 3-tine and 5-tine long handled 50c, 95c and \$1.40.



**Non-Kleg Nozzle.** The nozzles are of extra large capacity. While adapted for bucket pumps are especially good for high pressure. Two discs, fine and coarse. Female connection for  $\frac{1}{4}$  in. gas pipe, 75c each.

### UTILITY NO. 90 BARREL PUMP

**King No. 6 Barrel Pump complete.**—This pump has ample capacity for two lines of hose, and two nozzles; to be attached in barrel head. Top casting has a door for filling. \$16.00

#### Specifications

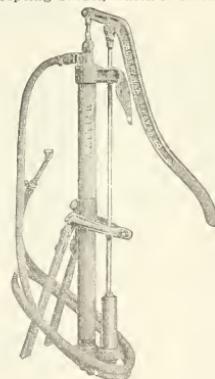
**Cylinder**—Diameter  $2\frac{1}{2}$  in.; length, 7 in. Head seamless brass tubing; 5-inch stroke.

**Air Chamber**—3 inches diameter, 30 inches long; steel tubing.

**Valves**—Bronze balls; inlet and outlet mounted in one cage; of ample capacity, and can be removed with common wrench.

**Mounted** in end of barrel with all castings, including cast filling door—brass outlet unions for two lines of hose.

**Hose Nozzle and Extension Rod**—One 12 ft.  $\frac{1}{2}$  inch hose; one nozzle and 4 ft. extension rod; all ready for use, excepting barrel, which is extra, \$2.50.



**No. 90 Barrel Pump.** A high powered pump for attaching in barrel—with handle for fastening. Complete with 12 ft. hose, nozzle and agitator. Price at store \$16.00.

### NURSERY SUPPLIES

We carry a full line of twines, labels, balling spades, moss, etc., and solicit memo of your requirements, quantities, etc., and we will quote special prices.

## INDEX

Page	Page	Page	Page	Page
<b>A</b>				
Acacia ..... 47	Climbing Vines ..... 26-58	Grass Pink ..... 33	<b>O</b>	Shrubs ..... 57
Afric. Daisy ..... 29-36	Clover ..... 32	Grass Seed ..... 67	Smilax ..... 44	Snail Vine ..... 44
Agricult. Seed ..... 6	Cockscomb ..... 32	Guavas ..... 44-52	Okra ..... 21	Snadragon ..... 30
Alfalfa ..... 6	Collards ..... 10		Olives ..... 51	Sorghum ..... 6
Almondia ..... 6	Collections ..... 44		Onions ..... 20	Sowing Table ..... 5
Almonds ..... 51	Gold ..... 24		Orange ..... 50	Spinkers ..... 63
Ann. Poinsettia ..... 35	Cone Flower ..... 35	Hanging Baskets ..... 61	Ornamental Pepper ..... 31	Squash ..... 24
Ant Poison ..... 64	Cope d'oro ..... 41	Hemp ..... 10	Orange Daisy ..... 34	Squirrel Poison ..... 64
Apples ..... 50	Coral Tree ..... 48	Hemp ..... 10	Ornamental Pepper ..... 31	Stakes ..... 62
Apples, Wild ..... 49	Cover Crop ..... 27	Hemp ..... 10	Painted Daisy ..... 51	Strawberry Pl. ..... 53
Arizona Ash ..... 49	Corn ..... 14	Home Garden ..... 52	Palm Seed ..... 50	Socks ..... 43
Artichokes ..... 7	Cornflower ..... 32	Honeysuckle ..... 44	Pansies ..... 50	Streptosioin ..... 30
Asparagus ..... 7	Corn Salad ..... 10	Hop Roots ..... 52	Paper Pots ..... 40	Sudan Grass ..... 5
Asparagus Fern ..... 29	Cosmos ..... 33	Horn Vines ..... 44	Paris Daisy ..... 33	Sugar Cane ..... 6
Asters ..... 27	Couplers ..... 62	Horn Poppy ..... 40	Paris ..... 33	Suggestions ..... 26
Australian Pea Vine ..... 14	Cover Crop ..... 6	Horse Radish ..... 23	Passiflora ..... 44	Sweet Cypress ..... 37
Avocado ..... 50	Crape Myrt. ..... 51	Hose Menders ..... 62	Parsnip ..... 21	Sundowner ..... 6-36
	Cream Cups ..... 49		Pasplum ..... 6	Swan River Daisy ..... 21
<b>B</b>	Cress ..... 11		Peach ..... 51	Swiss Chard ..... 10
Baby's Breath ..... 36	Cucumbers ..... 13	<b>I</b>	Peach Bells ..... 31	Sweet Peas ..... 45
Baby Blue Eyes ..... 38	Cup of Gold ..... 41	Iberis ..... 31	Peaches ..... 31	Sweet Potatoes ..... 52
Baby Eyes ..... 46	Currants ..... 52	Insecticides ..... 64	Pear Bells ..... 31	Sweet William ..... 41
Banana ..... 50	Cypress ..... 48		Pearl ..... 51	Sweet Woodruff ..... 29
Barrel Pumps ..... 65			Pearas ..... 22	
Baskets ..... 61			Peas ..... 22	
Beans ..... 5-8			Pepper ..... 21	
Beating Plants ..... 46	Delphinium ..... 34	Jap. Ivy ..... 44	Pepper Plant ..... 49	
Beefwood ..... 48	Dianthus ..... 33	Jerusalem Cherry ..... 41	Pepper Tree ..... 49	Tacsonia ..... 41
Beets ..... 9	Dibble ..... 61		Perennial ..... 32	Thistle Poppy ..... 46
Berry Plants ..... 52	Dimorphotheca ..... 34		Perennials ..... 32	Thistle Sage ..... 46
Birds Eye ..... 45	Dolichos ..... 44	K	Perennial Pea ..... 37	Thrift ..... 29
Bindweed of 40 ..... 61	Dracaenias ..... 50	Kaffir Corn ..... 6	Persimmons ..... 51	Tidy Tips ..... 45
Blue Marguerite ..... 61	Dusty Miller ..... 32	Kale ..... 15	Petunias ..... 40	Timothy ..... 6
Bottle Brush ..... 48	Dutchman Pipe ..... 44	Knives ..... 60	Pink ..... 49	Timothy Max ..... 45
Breath of Heaven ..... 57	Dahlia ..... 34-56	Kohl Rabi ..... 15	Pinkies ..... 31	Tobacco ..... 24
Bridal Wreath ..... 35		Kumquat ..... 50	Planting Calendar ..... 3	Tomato ..... 24-52
Broccoli ..... 48			Planting Table ..... 5	Traps ..... 61
Brown ..... 48			Planting List ..... 26	Tree ..... 6
Brussels Sprouts ..... 10			Plants per Acre ..... 5	Tree Protectors ..... 64
Bulbs ..... 59	Egg Plant ..... 15	<b>L</b>	Plantin. ..... 5	Trees ..... 4-5
Burr Clover ..... 6	Egypt. Corn ..... 6	Labels ..... 61	Pomegranate ..... 52	Trees ..... 49
Buttercup ..... 42	Egypt. Wheat ..... 6	Lady Slippers ..... 30	Pop Corn ..... 14	Trees ..... 57
Butterfly Flower ..... 42	Endive ..... 16	Lagunaria ..... 48	Potato ..... 22	Trees Seed ..... 47
	English Daisy ..... 39	Larkspur ..... 34	Pot Marigold ..... 61	Trowels ..... 61
<b>C</b>	Eschscholtzia ..... 34	Laurustinus ..... 49	Pompon ..... 19	Trumpet Vine ..... 44
Cabbage ..... 12-52	Eucalyptus ..... 46	Lavender ..... 41	Privet Seed ..... 48	Tuberoses ..... 44
Calendar ..... 3-31	Evening Primrose ..... 38	Lavender Cotton ..... 62	Pumpkin ..... 23	Tulip, Poppy ..... 37
Calif. Big Tree ..... 49	Everlasting Flower ..... 35	Lawn Spray ..... 42	Turnips ..... 23	Turnips ..... 25
Calif. Holly ..... 49		Leek ..... 15	Turnip Celery ..... 10	
Calif. Nat. Flowers ..... 46	F	Lemon ..... 50		
Calif. Wild Flowers ..... 45	False Indigo ..... 30	Lemon Cucumber ..... 13		
Callopis ..... 31	Farfugier ..... 25	Lemonade Plant ..... 41		
Campanula ..... 31	Felti ..... 26	Lilac ..... 16		
Camphor ..... 48	Fojoia ..... 50	Limas ..... 8		
Canadian Peas ..... 6	Fertilizer ..... 64	Locust ..... 49		
Candytuft ..... 37	Feterita ..... 6	Lupins ..... 37		
Canterbury Bell ..... 31	Figs ..... 51	Lion's Ear ..... 36		
Cardinal Creeper ..... 44	Flame Tree ..... 48	Lion's Tail ..... 48		
Carnation ..... 32	Flowers ..... 28	M		
Carrot ..... 11	For-Get-Me-Not ..... 29-37	Matillija Poppy ..... 46	Radish ..... 23	Vegetables ..... 7
Cassias ..... 18	Fountain Grass ..... 39	Mellotlous ..... 6	Rape ..... 6	Vegetable Oysters ..... 28
Castor Oil Bean ..... 41	Foxglove ..... 34	Mitcham's Daisys ..... 17	Raspberry Plants ..... 53	Vegetable Plants ..... 42
Cauliflower ..... 13	Fruit Trees ..... 49-50	Mittonnial Daisys ..... 24	Rat. Top ..... 45	Vinehens ..... 42
Cedar ..... 48		Millett ..... 6	Redwood ..... 48	Vine ..... 42
Celeriac ..... 10	G	Milo ..... 6	Resida ..... 37	Viola ..... 42
Celery ..... 10-12	Garden Hose ..... 52	Monks Hood ..... 29	Rhubarb ..... 21-52	Virginian Stock ..... 32
Centaurea ..... 32	Garden Tools ..... 60	Moss ..... 41	Ribbon Cane ..... 6	
Chard ..... 10	Garlic ..... 29	Mourning Glory ..... 41	Rosa de Mont ..... 44	
Chayote ..... 19	Geraniums ..... 59	Moss ..... 61	Roselle ..... 22	
Cherimoya ..... 50	Giant Sudan ..... 5	Mourning Bride ..... 41	Rose ..... 23	
Chives ..... 51	Giant Worch ..... 33	Mushroom ..... 17	Rosmarine Lettuce ..... 16	
Chestnuts ..... 10	Gilia ..... 23	Mustard ..... 17	Rose ..... 21	
Chervil ..... 10	Globe Amaranth ..... 23		St. John's Bread ..... 48	
Chili Jasmine ..... 44	Godecia ..... 36		Salpiglossis ..... 42	
Chinese Bellflower ..... 39	Golden Chervil ..... 48		Salsify ..... 23	
Chinese Cabbage ..... 12	Golden Fennel ..... 40		Salt Bush ..... 6	
Chili Pepper ..... 16	Golden Glow ..... 40		Savoy Cabbage ..... 12	
Chrysanthemums ..... 59	Golden Rod ..... 42		Scabiosa ..... 61	
Cineraria ..... 32	Gourd ..... 36		Scarlet Flax ..... 36	
Citron ..... 19	Gourds ..... 36		Sea Dahlia ..... 45	
Clarkia ..... 32	Grapes ..... 52		Sea Lavender ..... 41	
Climbers ..... 44			Seed Grains ..... 5	
			Seeds per acre ..... 5	
			Sesbania ..... 48	
			Shears ..... 60	
			She Oak ..... 48	
			Zinnias ..... 42	

## Coupon Order Sheet

## For Seeds, Plants, Bulbs, Etc.

MORRIS & SNOW SEED CO., 439 So. Main St., Los Angeles, Calif.

Please send the following goods as per address and instructions herewith, and for which find enclosed \$.....

To (Name) .....  
(Miss or Mrs.)

City ..... County .....

No. ..... State. ....  
(R. F. D. or Street)

Express or Freight Station.....

Date ..... State your preference by Post,  
Express or Freight.

We give no warranty, express or implied, as to description, purity, productiveness, or any other matter of any Seeds, Bulbs or Plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

MORRIS & SNOW SEED CO.

**Coupon**  
Worth 25 Cents

On an order amounting to not less than \$1.00 remitted for seeds in packets or ounces, if accompanied by this coupon order sheet, you may select additional seeds in packets and ounces only at the amount of 25¢.

This coupon is good only for seeds in packets and ounces, and not on orders for plants, hardware, bulk seed and other goods.

Good only for the year 1920.

(Leave this space blank)

(OVER)

EXTRA ORDER SHEETS AND RETURN ENVELOPES FURNISHED ON REQUEST

**NAME OF ARTICLE WANTED**

Brought forward

---

## POSTAGE

**POSTAGE**

Garden Seeds priced by the packet, ounce, one-fourth pound and pound are postage paid. Peas, Beans, Onion Sets, Corn, Grass and Field Seeds and Sundry Articles are not postpaid. In ordering one pound lot, add ten cents per pound for postage and packing, and on larger quantities apply parcel post charges.

**DOMESTIC PARCEL POST RATES**

**DOMESTIC PARCEL POST RATES**  
On Seeds, Plants, Bulbs, Roots, Books, Tools, etc.  
within the U. S. and Possessions

	fraction	fraction
First Zone, Los Angeles or 50 miles thereof	5c	1c
Second Zone, within 50 to 150 miles	6c	16
Third Zone, within 150 to 300 miles	6c	2c
Fourth Zone, within 300 to 600 miles	7c	4c
Fifth Zone, within 600 to 1000 miles	8c	6c
Sixth Zone, within 1000 to 1400 miles	9c	8c
Seventh Zone, within 1400 to 1800 miles	11c	10c
Eight Zone, all over 1800 miles	12c	12c

Please do not ask questions on this Order Sheet, but kindly write them and all communications requiring an answer on a separate sheet of paper and inclose with your order. Be sure that your Full Name and Address are on Both Letter and Order.

This space is for remarks about your order.



This Lawn was seeded down with our high-grade seed. Critical buyers know and use our seed.

## CLOVER AND GRASS SEEDS

### LAWN FERTILIZERS---High Grade

**Australian Rye Grass.** A fine grass for quick lawn; should be sown very thick and will produce a fine lawn, notwithstanding drought much better than Kentucky Blue and making sod more quickly, but is a little more coarse in its growth. Lb. 30c. Post paid.

**White Clover.** The best variety for lawn purposes, making a fine even lawn. There is a great variety of grades of this seed; some adulterations and others impure, which makes a great difference in price. We are procuring at all times the purest that money can buy. Lb. 95c. Ask for special price on quantities. Postpaid.

**Shady Lawn.** A grand grass for sowing under trees, where no other grass will succeed. It makes a beautiful velvety lawn; grows much finer in leaf than Blue Grass and will stand in quite dense shade. Lb. 75c, postpaid.

**Blue Grass (Kentucky).** What we have just said concerning clover we repeat in connection with this fine grass. To meet competition many have added mixtures to give weight and reduce its cost, and thus are able to sell cheaper. We challenge anyone to show finer or cleaner stock than ours. Ask for price on large amounts. Lb. postpaid 60c.

25 lbs. \$1.10; 50 lbs. \$2.00; 100 lbs. \$3.75

Lawn grass is a voracious feeder and will not thrive and hold its beautiful dark green color and velvety appearance unless it receives a sufficient supply of suitable food. Because so few appreciate this fact is the reason there are so many poor, rusty-looking lawns. Stable manure is unpleasant to handle, ill-looking and decidedly odorous, and is also full of waste material. It contains weed seeds which are obnoxious, and it often takes years to eradicate the weeds. All these objections are obviated by the use of our **Lawn Fertilizer**, and if our **Lawn Seed** is used there is no excuse for a bad lawn. If the lawn is in fair condition it is only necessary to rake off the dead leaves and grass in the early spring and scatter broadcast over its surface some of our **Lawn Fertilizer** with a little of our **Lawn Seed** over the thin spots and the work is done.

**DIRECTIONS FOR USE**—The first application should be made in the Spring, at the rate of 50 pounds of fertilizer to every 1,000 feet of lawn, evenly distributed. For seeding down a new lawn scatter 75 pounds of fertilizer broadcast on every 1,000 square feet, and rake it in thoroughly before sowing the seed.

## HINTS FOR MAKING AND CARING FOR LAWNS

The first thing is to have the soil well spaded up and pulverized. On places where soil has been filled in, or places where no crop of any kind has been raised for a number of years, it is advisable to spade up the ground, pulverize it and rake and water regularly, just as if the lawn had been seeded; this will start the seeds of all weeds that have been lying dormant for years, awaiting enough moisture to germinate. If salt grass or devil grass should pull up, even by the root, it will save lots of work afterward. If soil contains much devil grass it will pay to cart off the whole surface down to about two feet, and haul good loam in its place. If only ordinary weeds come up, spade them under. Repeat the operation every two weeks afterwards. This will bring the soil in fine condition and save much time and money spent on pulling weeds. Use plenty of good seed. Blue Grass one pound for every 200 square feet; Clover one pound for every 250 square feet. If Blue Grass

and Clover are used, it is advisable to go over the ground twice, once with Blue Grass and once with Clover. This is done in order to have the Blue Grass and Clover seed uniformly spread all over the surface. Rake the seed in well, and cover very lightly with some good manure. Care should be taken in selecting manure for lawns; the manure most suitable is horse or cow manure that has been piled up or heated at least 60 days before being used on a lawn. When manure is piled up, it begins to heat and seeds of any kind that are in it begin to germinate; the manure gradually increases in heat until it gets so hot that any kind of plant or weed mixed in with it, will burn up.

It has been a practice around Los Angeles for people to go to any corral, screen the manure, load it up and sell it for lawn purposes. This accounts for so many lawns where more weeds than grass come up, and especially for lawns where devil grass predominates. Almost all alfalfa fields in this region have devil grass growing in

them. This grass goes to seed about the time alfalfa is high enough to cut; it is fed to the cows mixed with alfalfa, and is in a perfect state of preservation when picked up with the manure and put on the lawns.

In places where the lawn is steep, burning is used to good advantage to cover the ground after sowing, as it not only prevents the surface of the ground from drying, but it keeps the seeds from getting washed out by the frequent waterings that have to be given in such places.

When a new lawn must be done with great care. A fine Rose nozzle should be used to apply the water and it should always be done in the evening or morning.

Having had for so great many years personal experience in the making of lawns in this vicinity, we appreciate the fact that good seed is absolutely necessary for starting a lawn. Our **Blue Grass Seed** is the very best grown in Kentucky, where no trace of salt grass is to be found. Our **Clover Seed** is free from all weeds.

# GIANT SUDAN

THE WONDER FORAGE PLANT. A CROSS  
OF SUDAN GRASS AND SORGHUM

Wonder or Giant Sudan Grass was first observed by Mr. C. H. Benedict of Riverside among his batch of Sudan Grass three years ago; by saving the seed of these few plants and propagating Mr. Benedict had enough last spring to plant about ten acres from which we are offering seed for the first time.

This field was planted near the Boulevard at East Riverside and attracted a great deal of attention of passers by on account of its remarkable growth. The plant stools as many as fifty stalks which further branch out at the joints forming many seed heads to each plant.

Besides this stooling and branching it has abundance of foliage which taken all together makes an enormous tonnage of fodder.

The stems are from a quarter to three-quarters of an inch in diameter, very succulent, and most as sweet as sugar cane. Stock will eat it clean or cut up for the silo will make excellent silage.

On good soil Wonder or Giant Sudan will grow from 12 to 16 feet tall producing 80 to 100 tons of silage per acre. It can be cut as hay three or four times during the summer under irrigation. After each cutting the plant stools more making that much more tonnage. It also makes excellent pasture.

We do not hesitate to recommend the Wonder or Giant Sudan to any one wanting to get a maximum of feed from their land with an annual crop.

The soil should be prepared the same as for sorghum or Sudan planting, sowing in drills six to ten pounds to the acre. Irrigate after each cutting for continuous growth.

Giant Sudan or Sudan-Sorghum per oz., 10c; lb., 60c; 10 lbs., \$5.00; postpaid.

## Sorghum or Sugar Cane

MAKE YOUR OWN SYRUP  
AND SUGAR

Ask the College of Agriculture, University of California, Berkeley, for circulars Nos. 167 and 198, concerning making syrup and about sorghums.

Sorghums are grown mostly for forage because they do well with little water. Where they get plenty of moisture they produce remarkable tonnage.

There are men who have sorghum presses for extracting syrup in the different sections where sugar cane is grown.

Sorghum is planted by sowing seed in rows about  $3\frac{1}{2}$  ft. apart at the rate of 6 to 8 pounds to the acre from the last of March until the first of July. April is the best month, that gives you a long growing season. For both syrup and silo sorghum should be cut as soon as the seed gets hard. For fodder cut just as it is seedling, then irrigate for further cuttings.

Silver Tip is the heaviest producer of syrup. It also produces a large tonnage of fodder but is slower to mature than other varieties.

Early Amber is the Standard variety and the most used. A good producer of both syrup and fodder. It is credited with making a crop with less moisture than others.

Texas Seeded Ribbon Cane will produce over forty tons of fodder per acre and makes an excellent syrup. All varieties sell at 25c per pound postpaid. Write for price in quantity.

Making syrup is also easily done by preparing sugar beets. Bulletin No. 823, gotten out by the U. S. Department of Agriculture, Washington, D. C., tells how to extract the syrup. If the price of sugar keeps advancing it will pay you to raise some sugar beets for this purpose. Sugar Beet Seed 5c per kpt.; 10c per oz.; \$1.25 per lb., postpaid.



Giant Sudan or Sudan-Sorghum

**MORRIS & SNOW SEED COMPANY**

439 SOUTH MAIN STREET

LOS ANGELES, CALIFORNIA